

Fig. 1

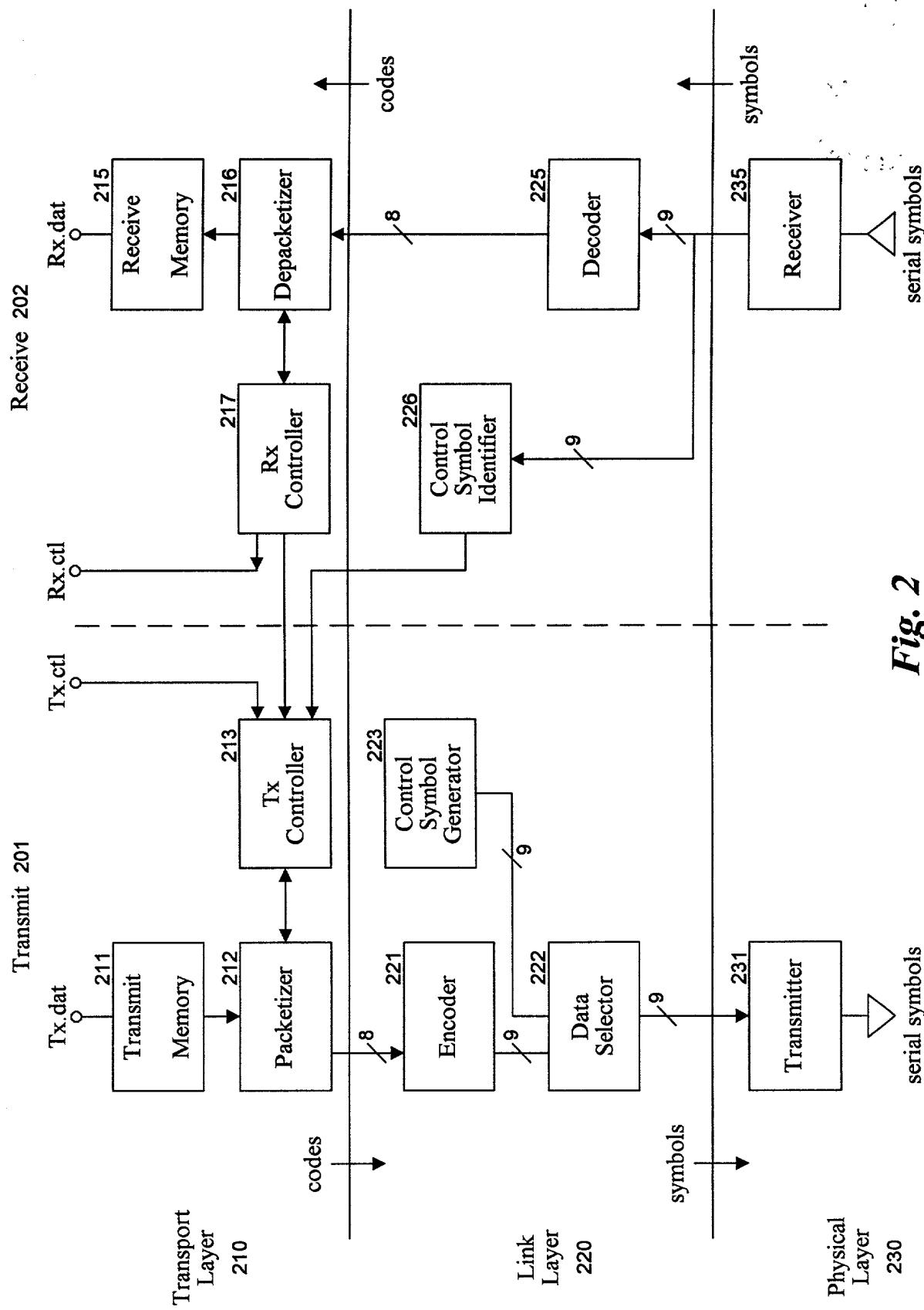


Fig. 2

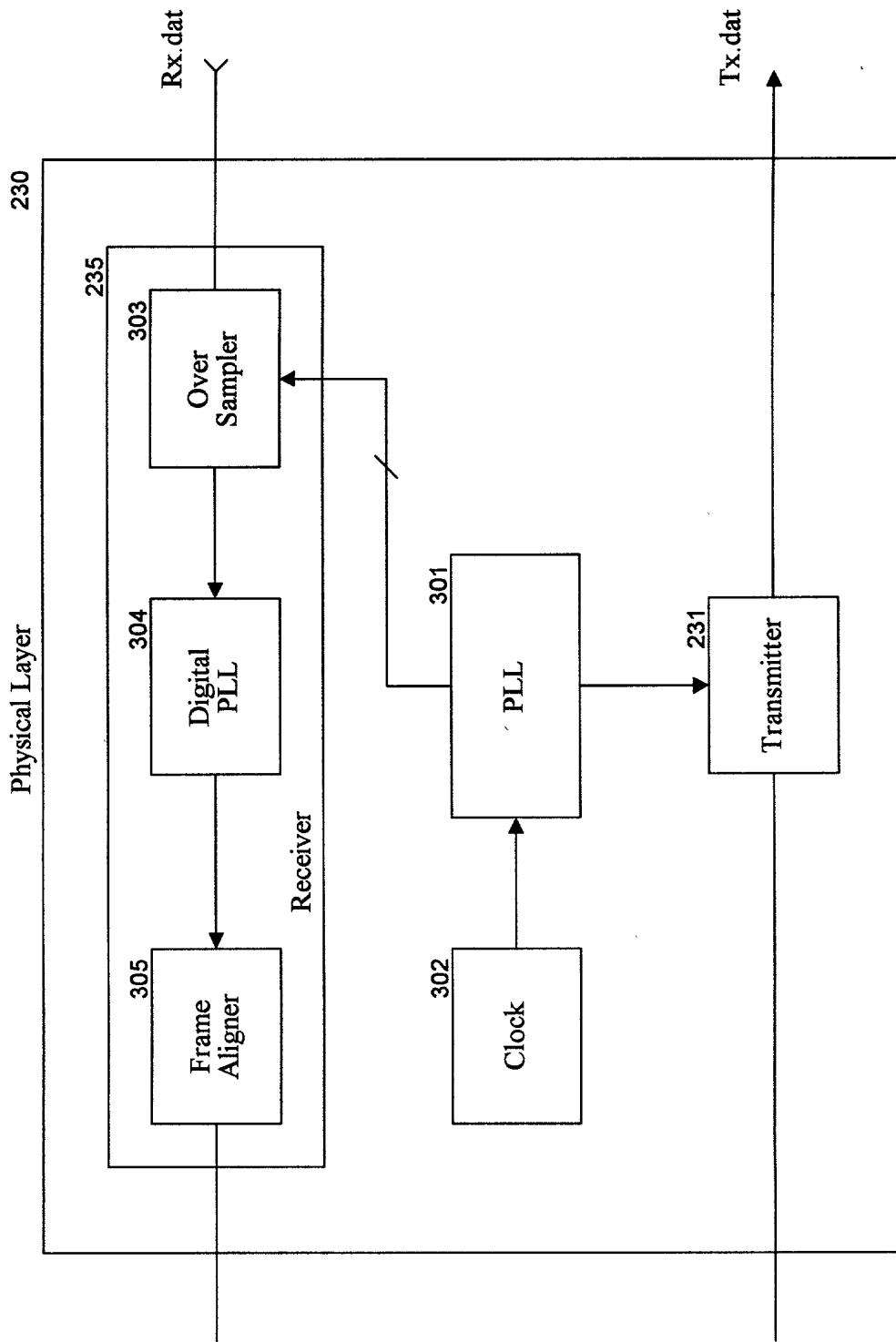


Fig. 3

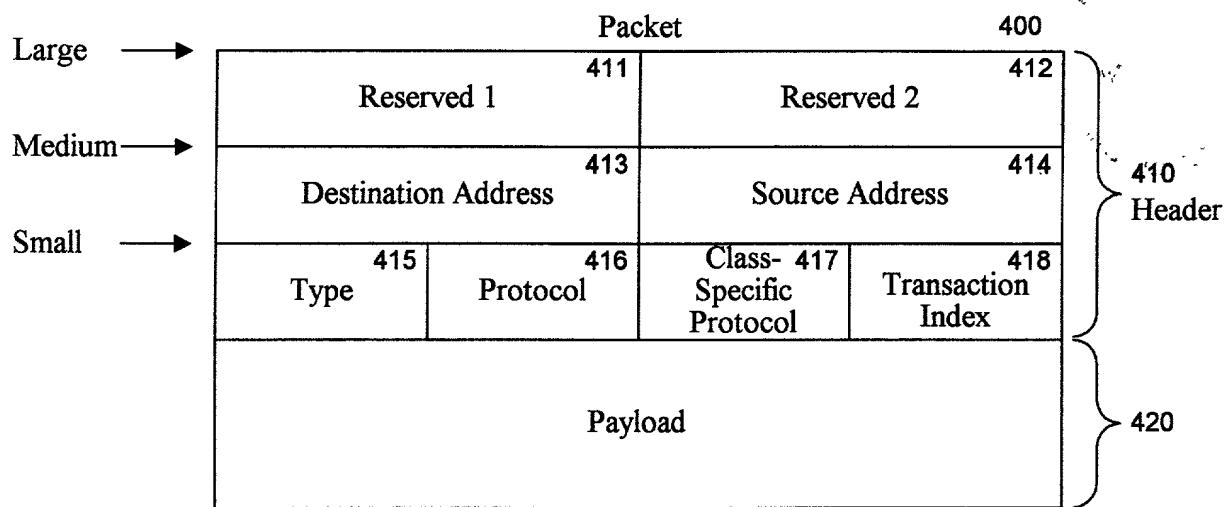


Fig. 4

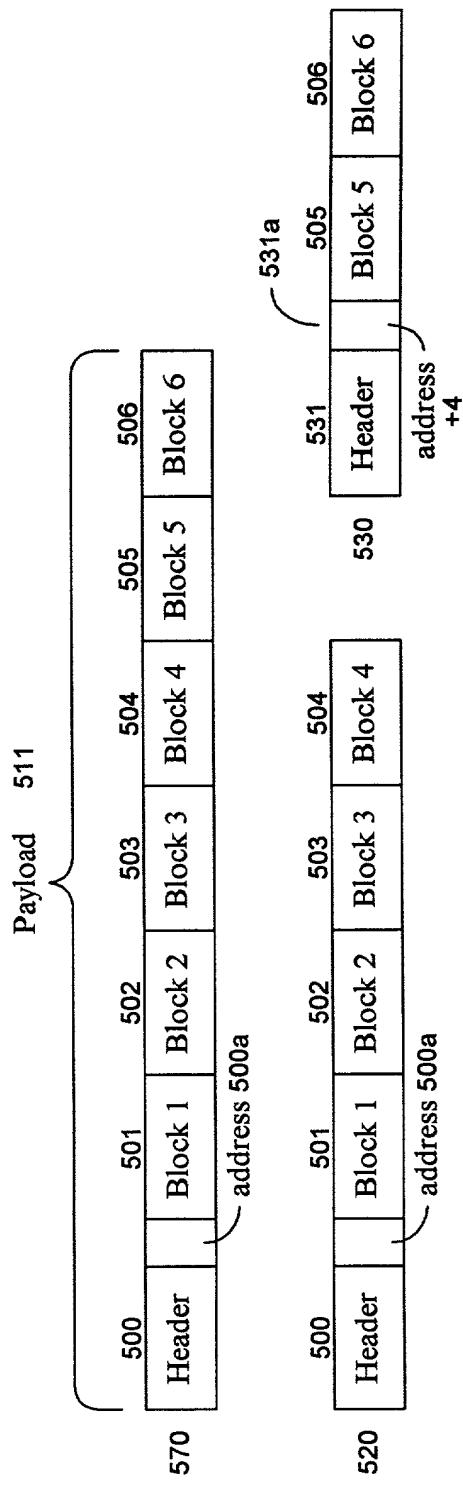
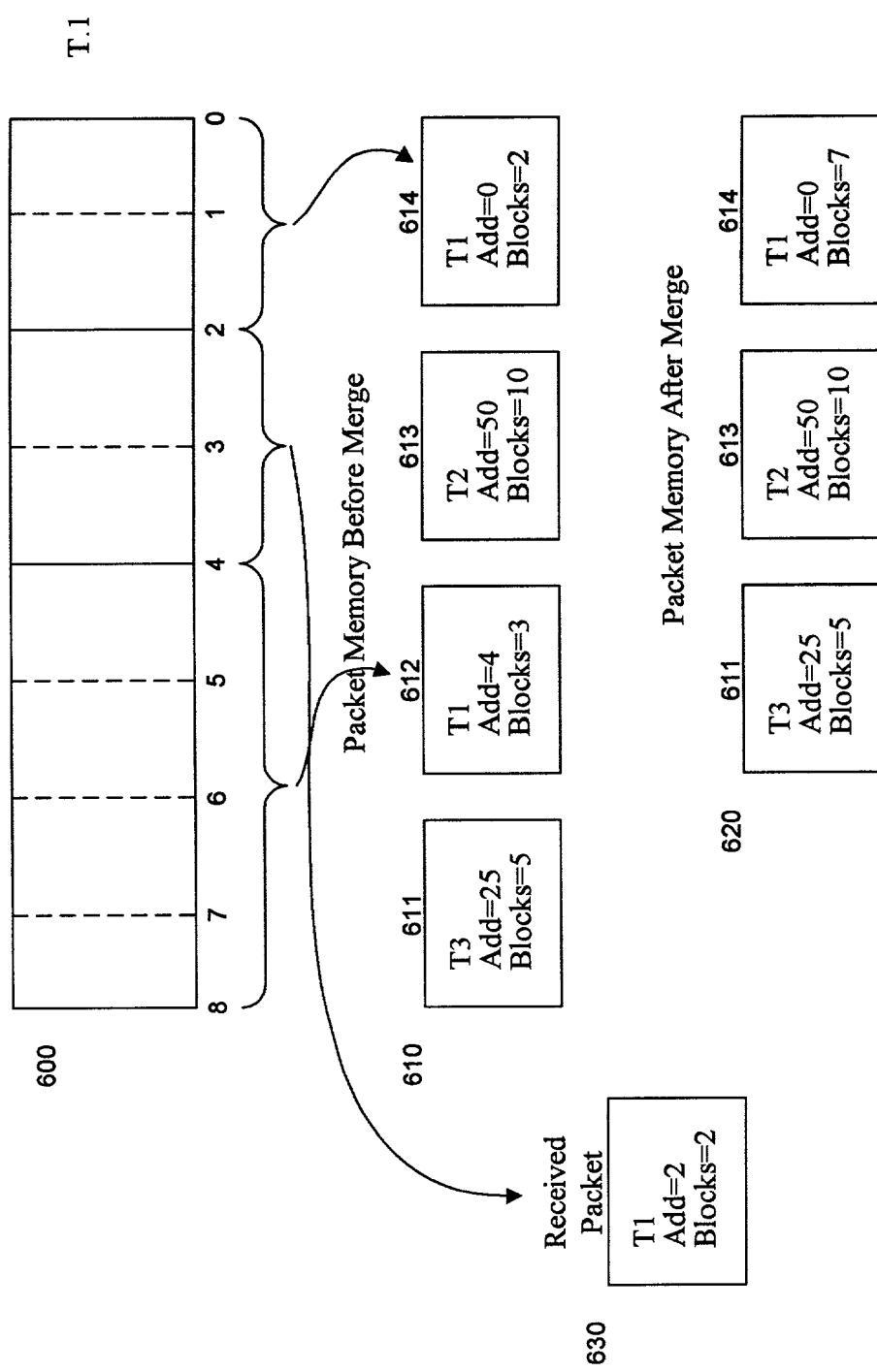


Fig. 5

Fig. 6



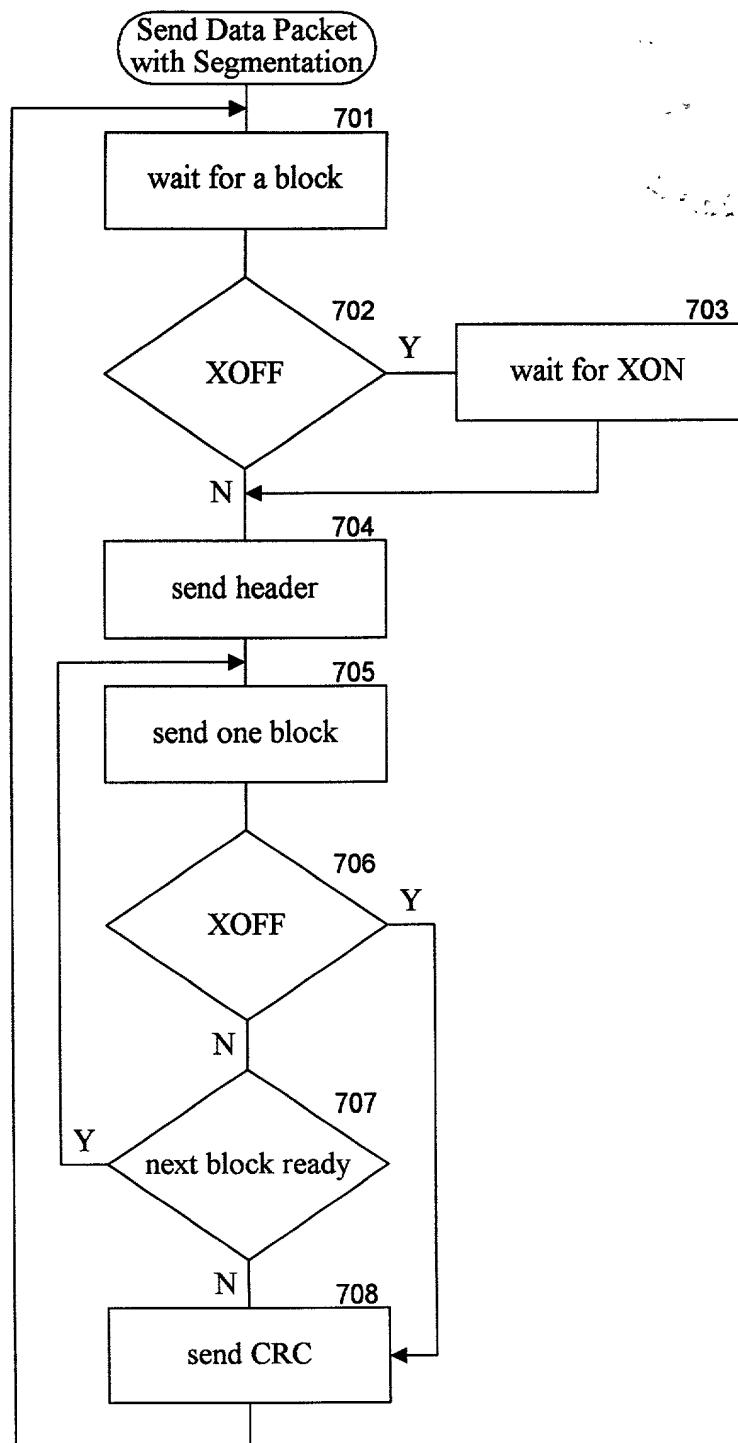


Fig. 7

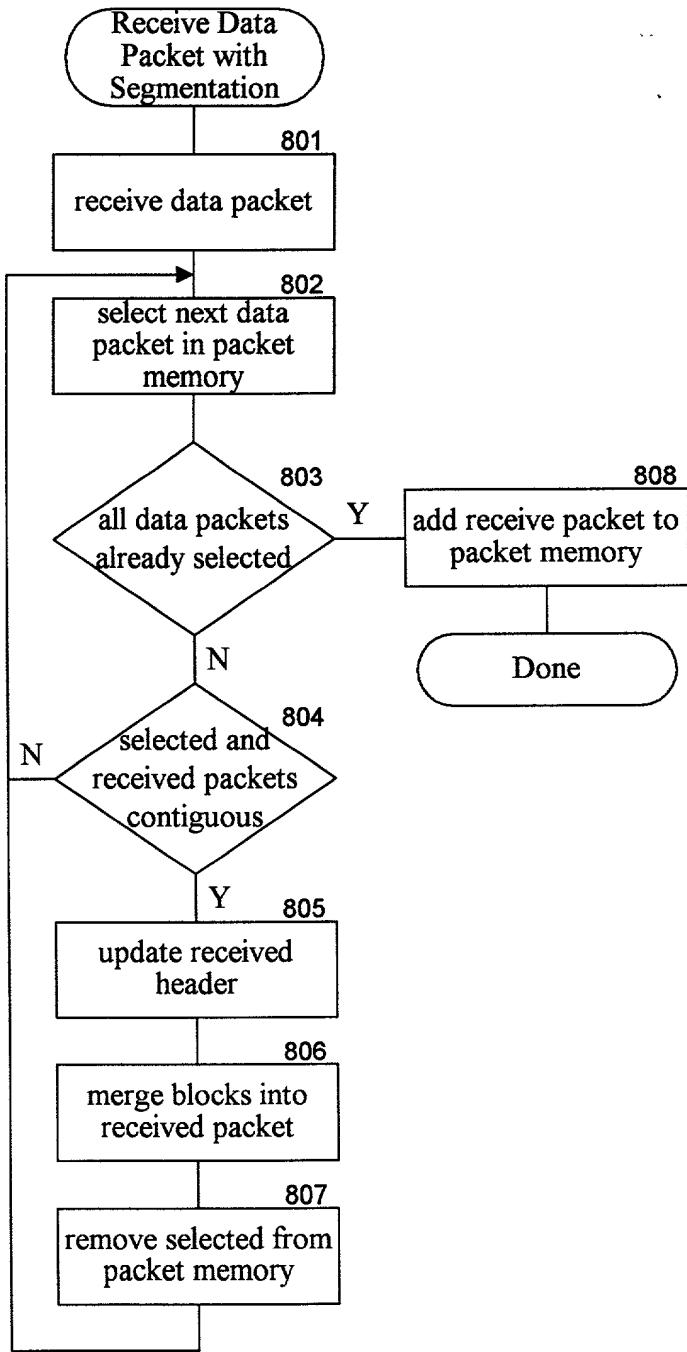
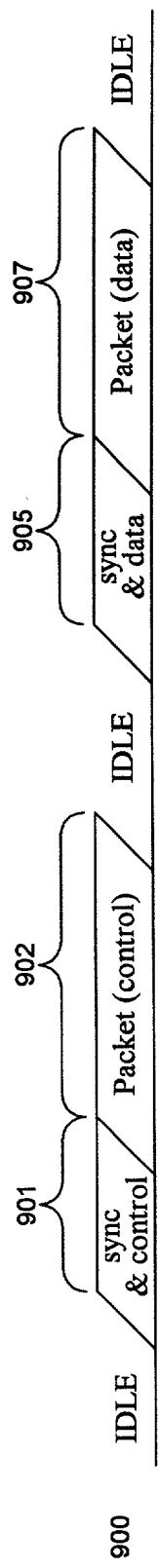


Fig. 8



sync & packet type

Fig. 9A

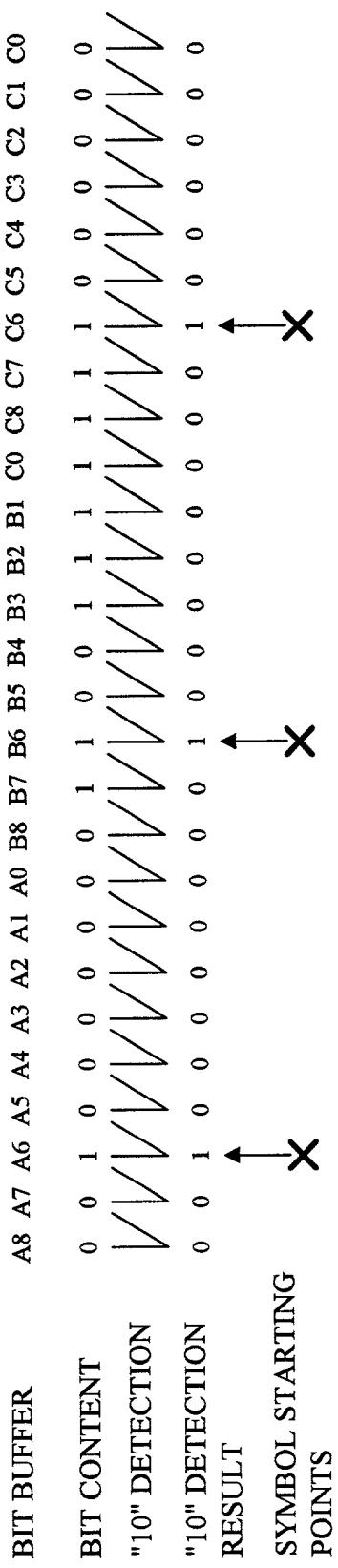


Fig. 9B

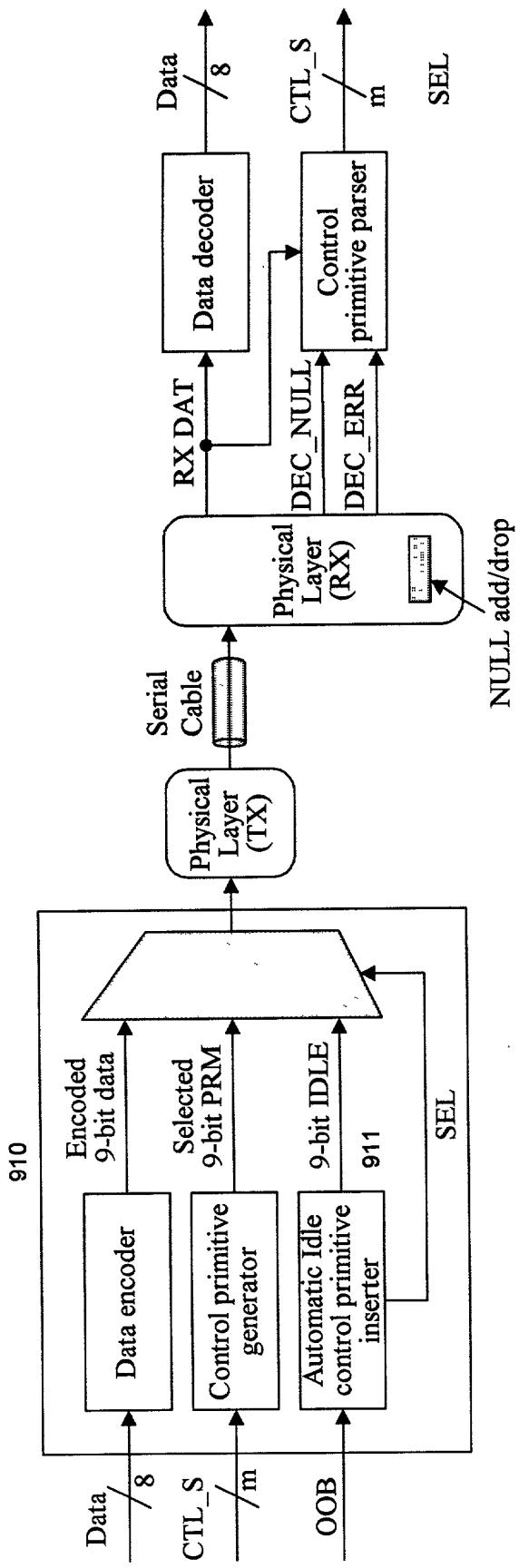


Fig. 9C

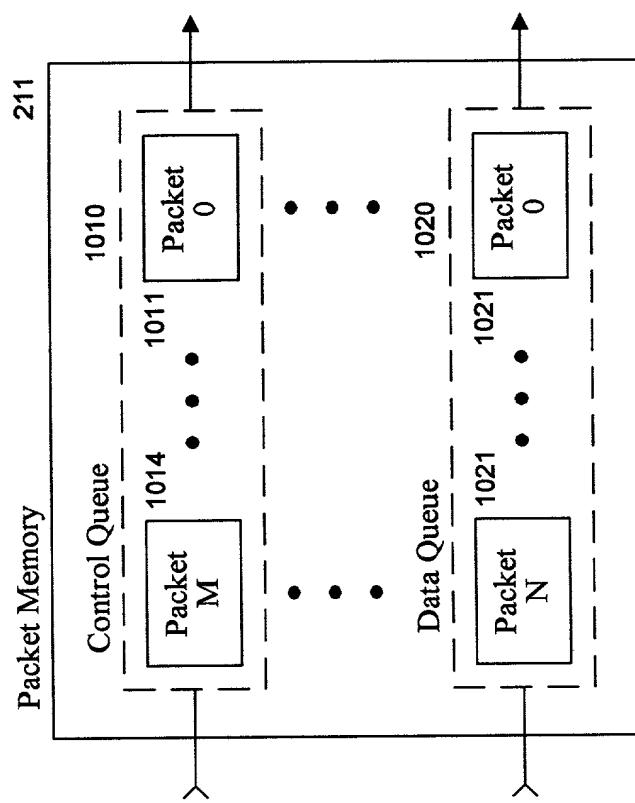


Fig. 10

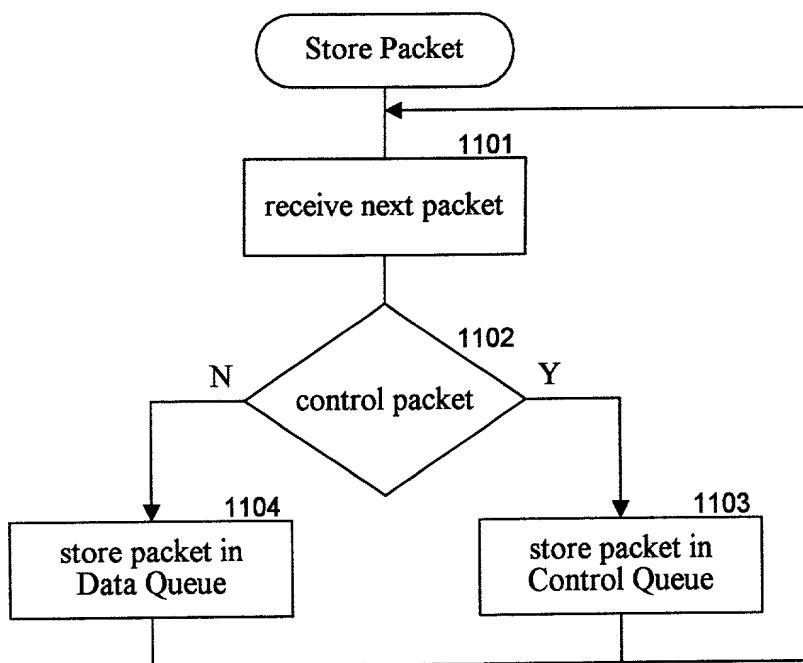


Fig. 11

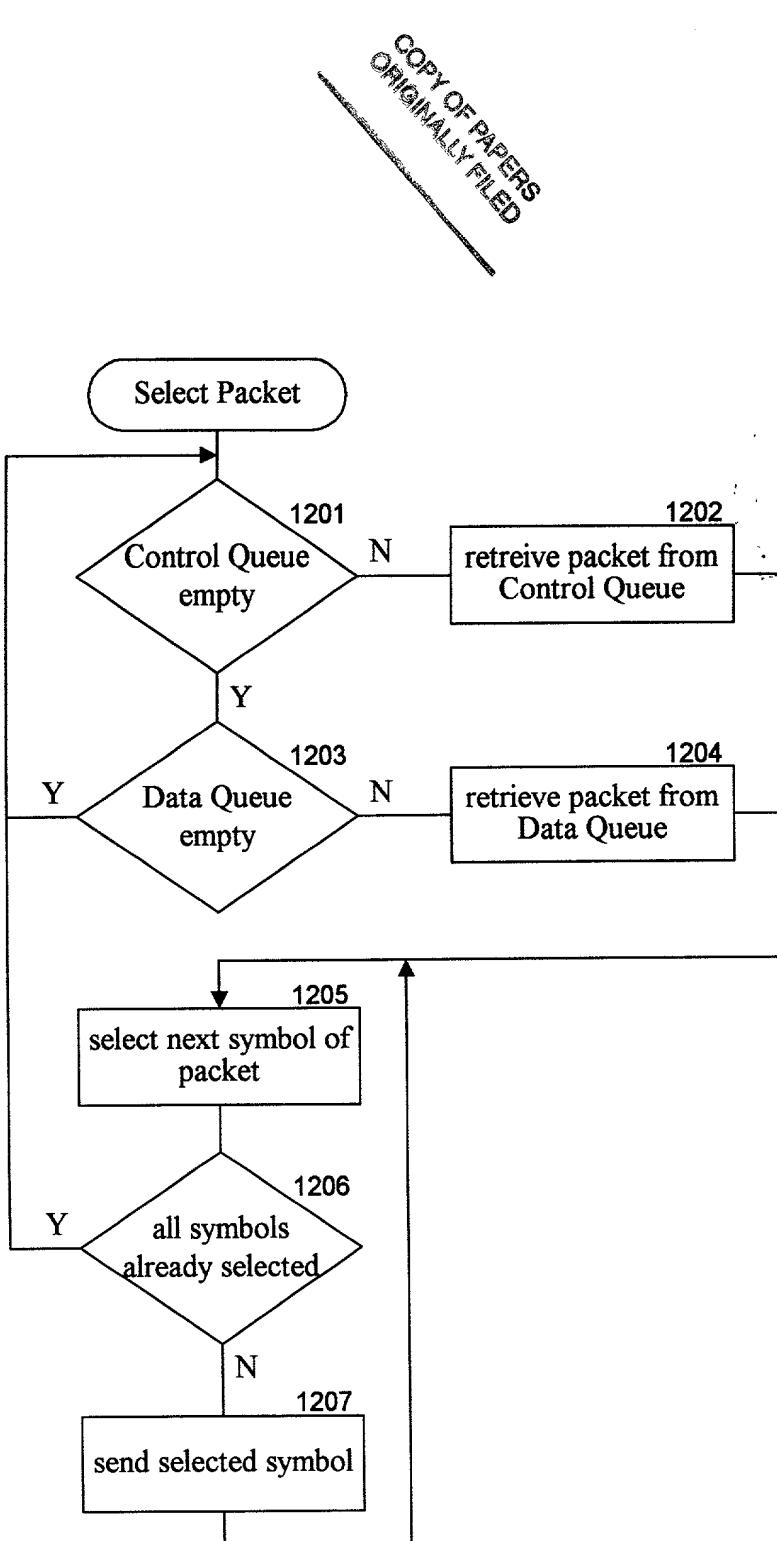


Fig. 12

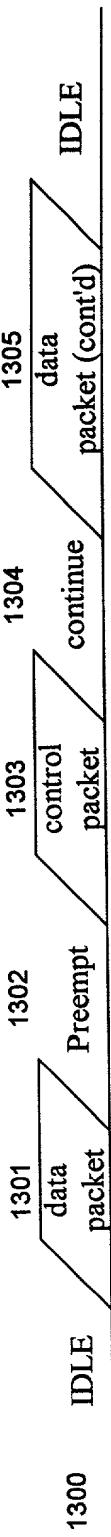


Fig. 13

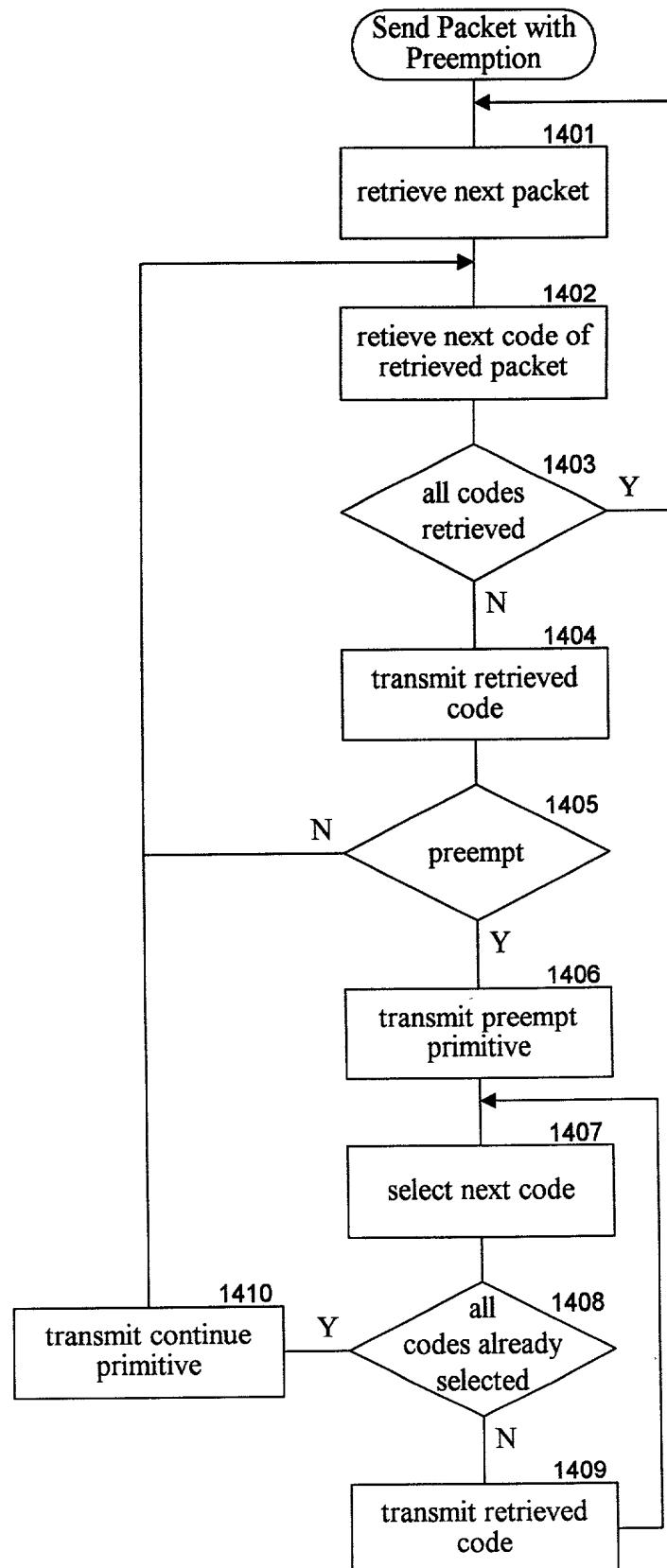


Fig. 14

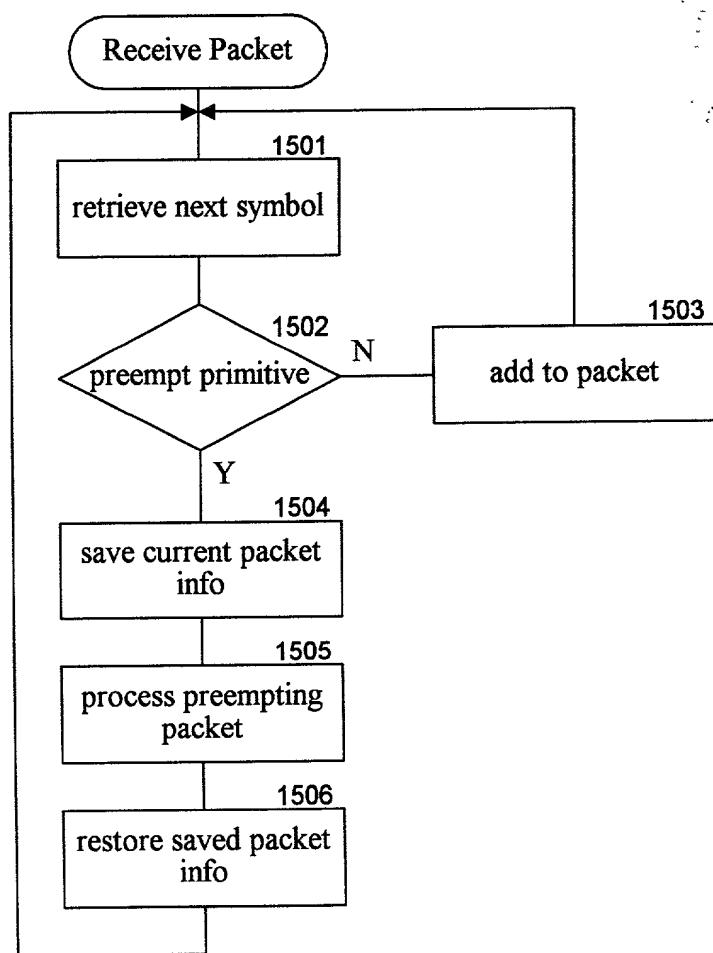


Fig. 15

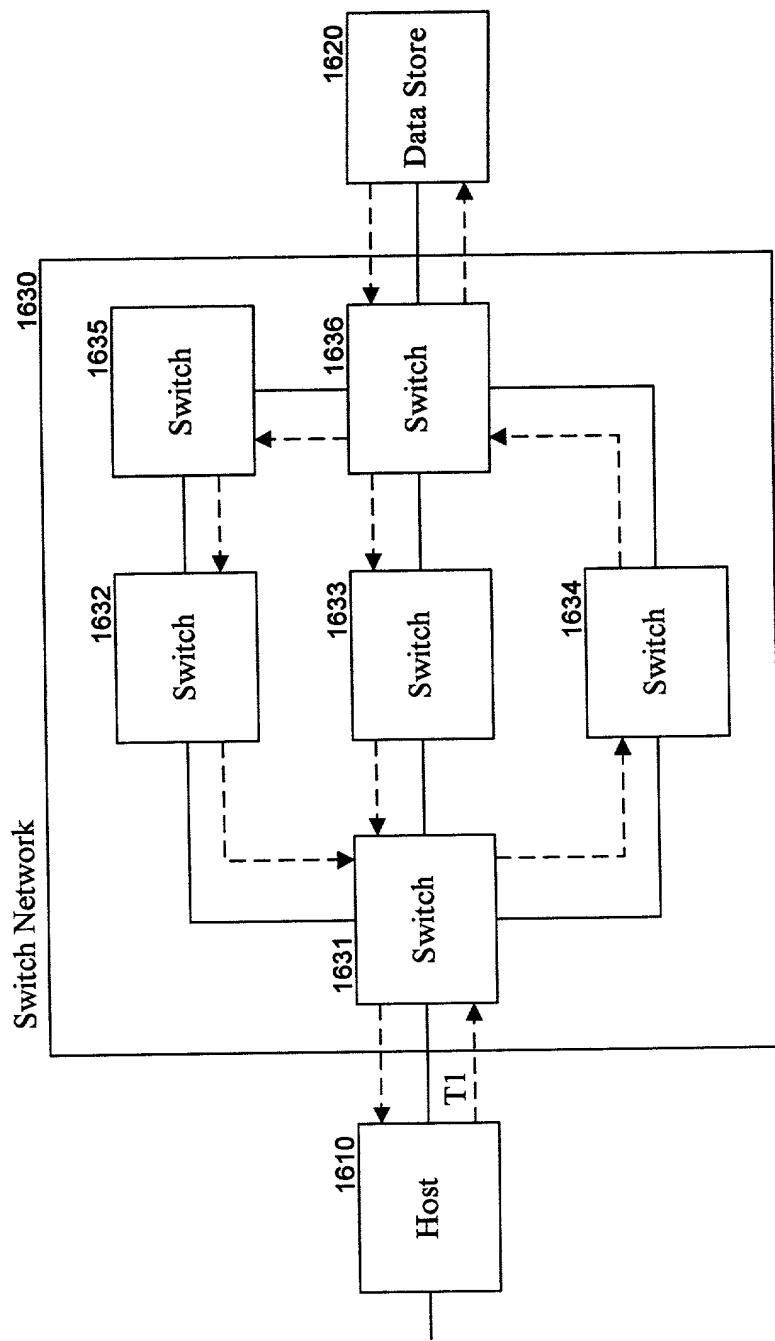


Fig. 16

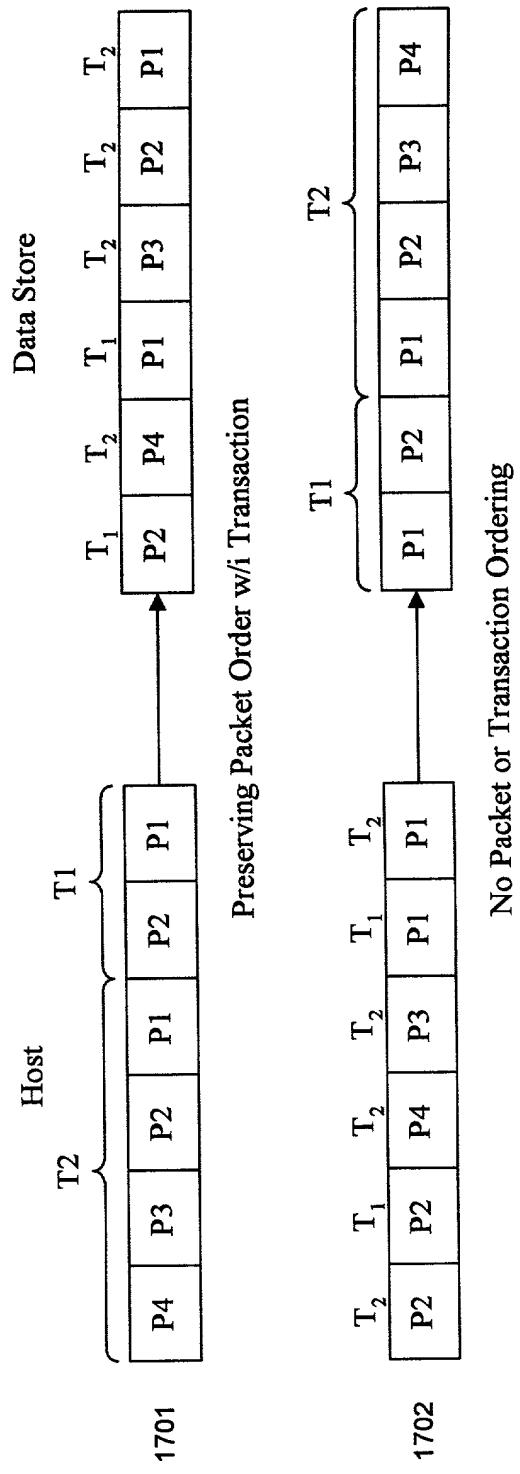


Fig. 17

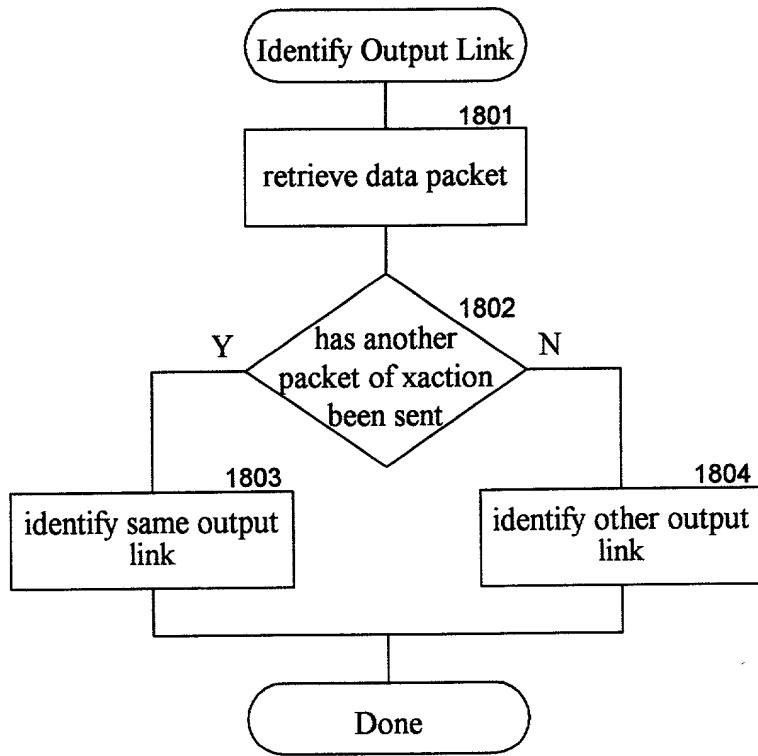


Fig. 18

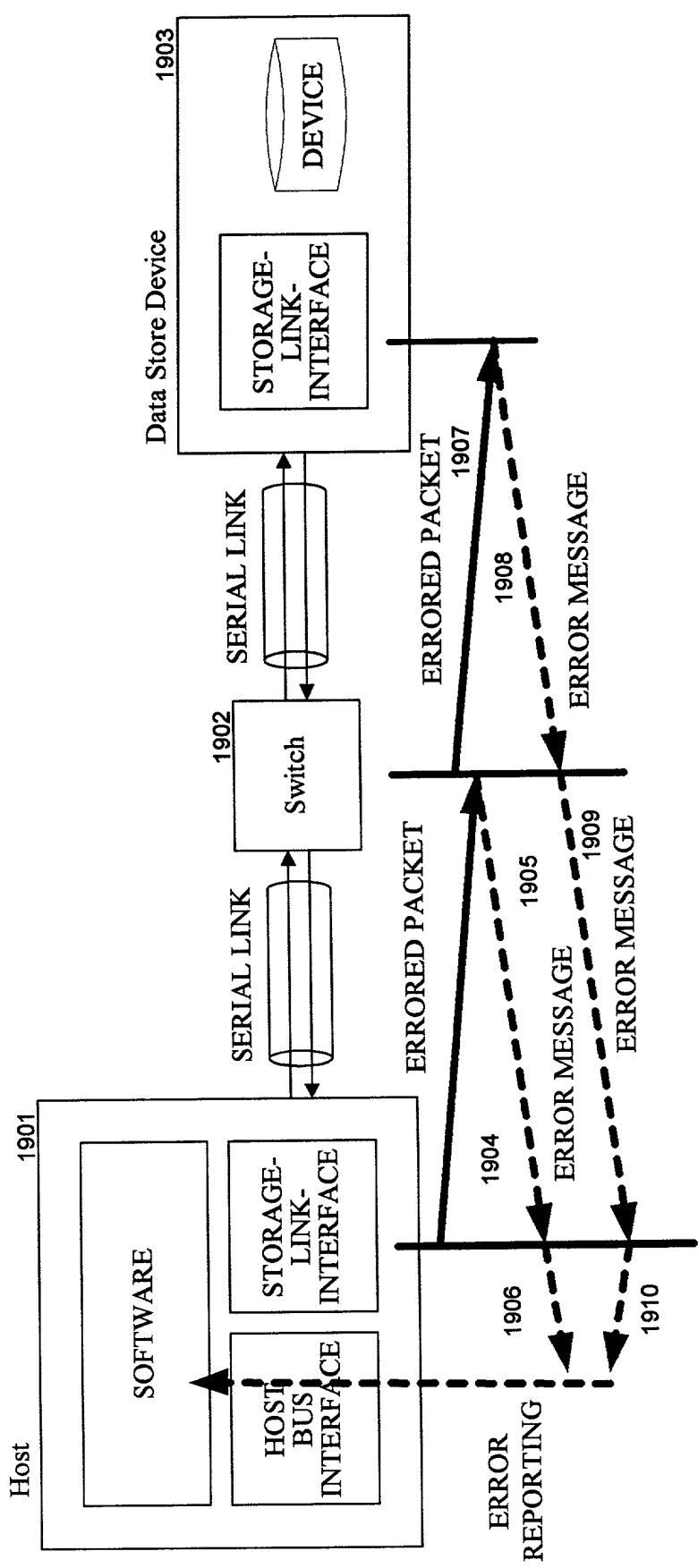


Fig. 19A

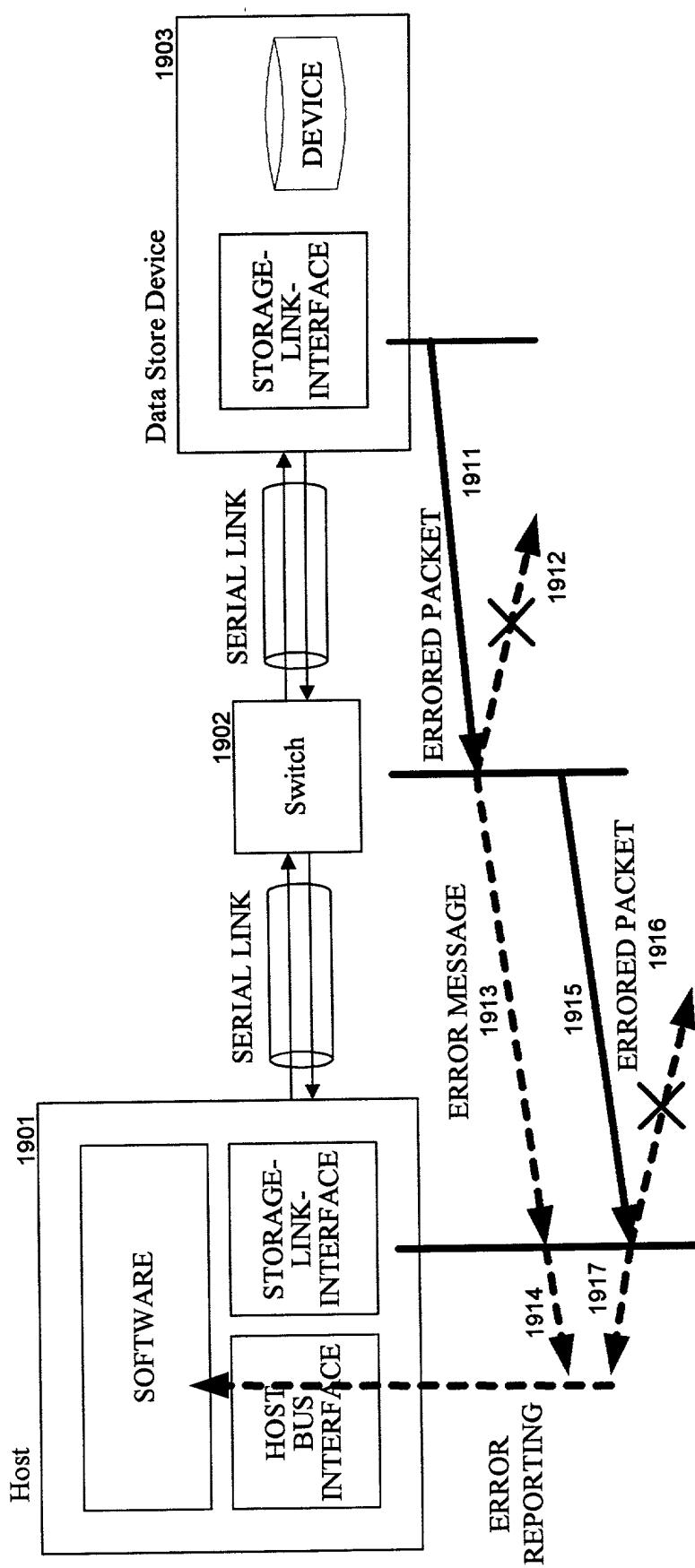


Fig. 19B

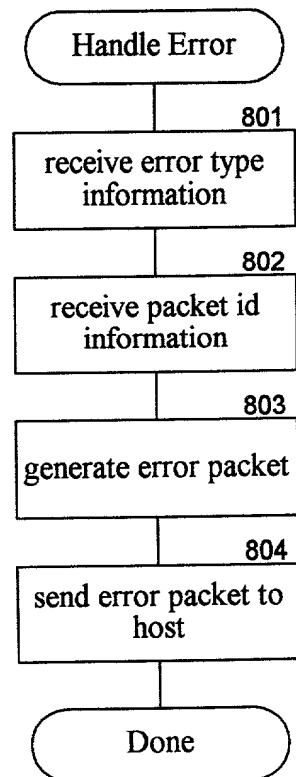


Fig. 19C

8b code	9 bit symbol
0 0 0 0 0 0 0 0	1 0 1 0 1 0 1 0 1
0 0 0 0 0 0 0 1	1 0 1 0 1 0 1 0 0
0 0 0 0 0 0 1 0	1 0 1 0 1 0 1 1 1
⋮	⋮
0 1 0 1 0 1 0 1	0 0 1 0 1 0 1 0 1
⋮	⋮
0 1 1 1 0 1 1 0	0 0 1 1 1 0 1 1 0
0 1 1 1 0 1 1 1	1 0 0 1 0 0 0 1 0
⋮	⋮
1 1 1 1 1 1 1 1	1 1 0 1 0 1 0 1 0

Fig. 20

0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1

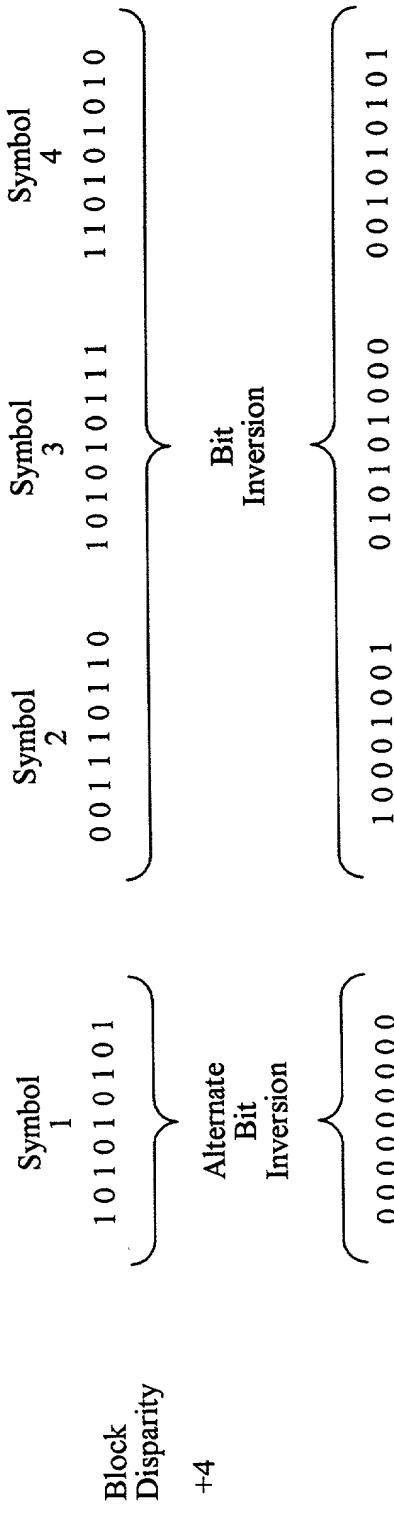


Fig. 21A

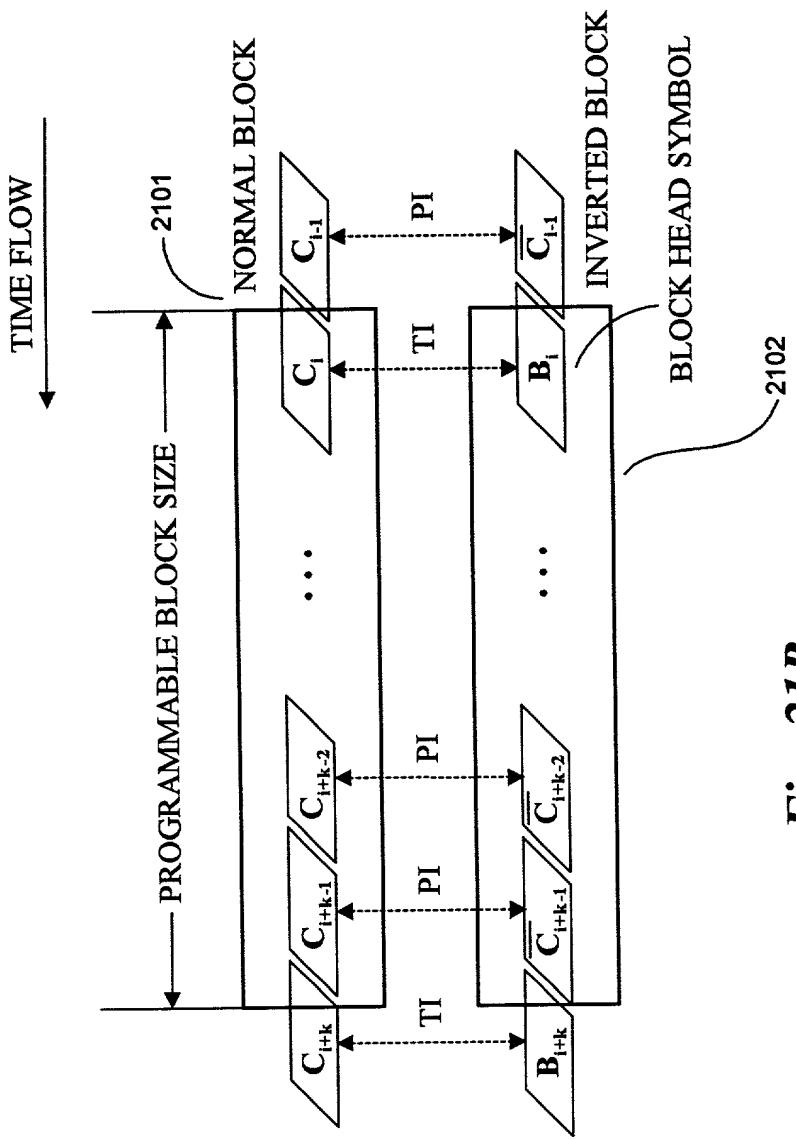


Fig. 21B

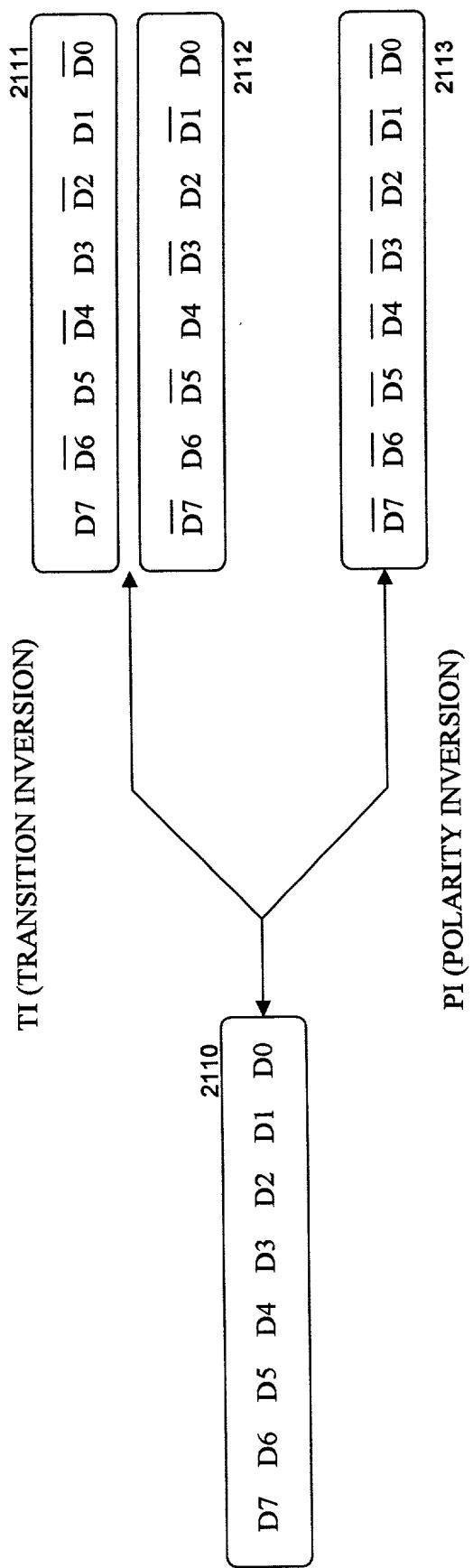


Fig. 21C

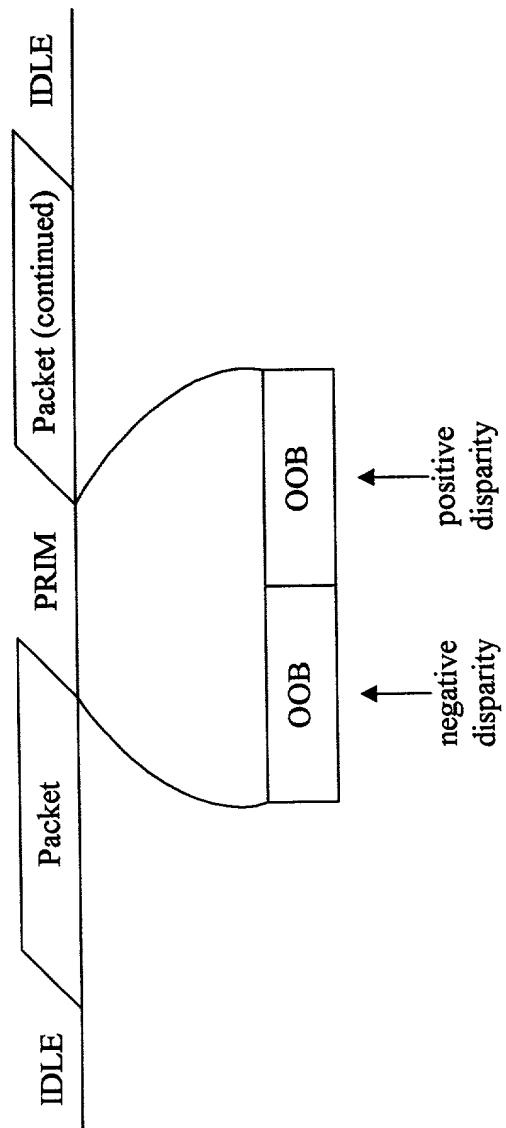


Fig. 22

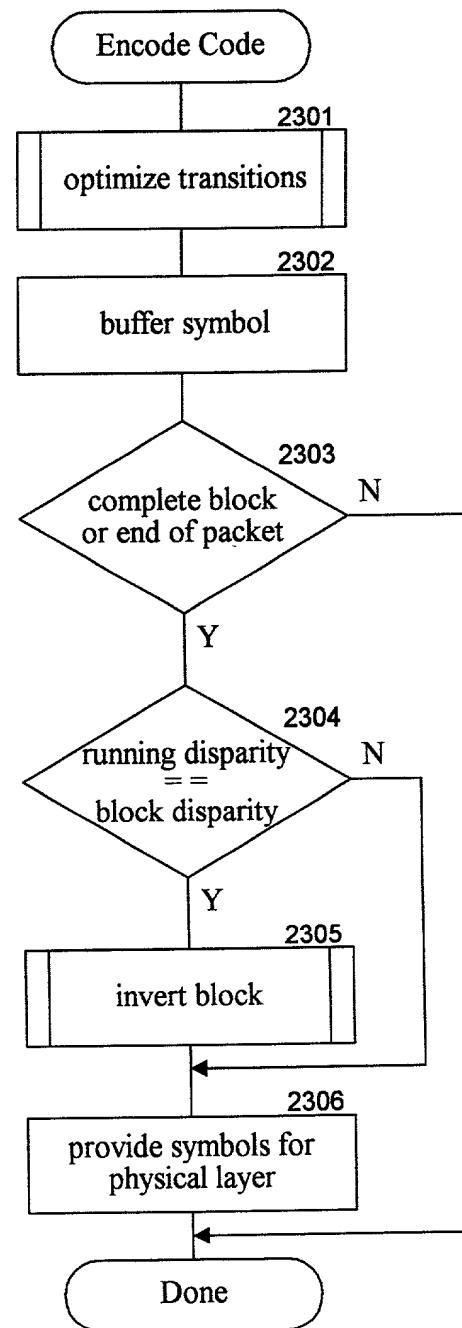


Fig. 23

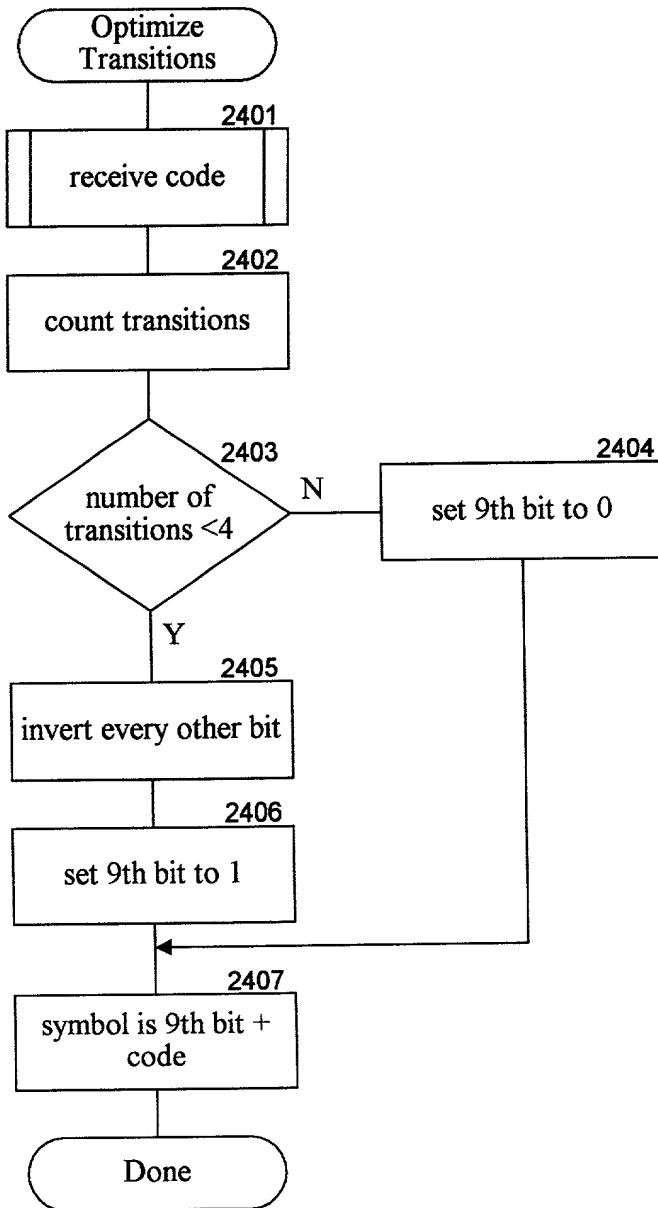


Fig. 24

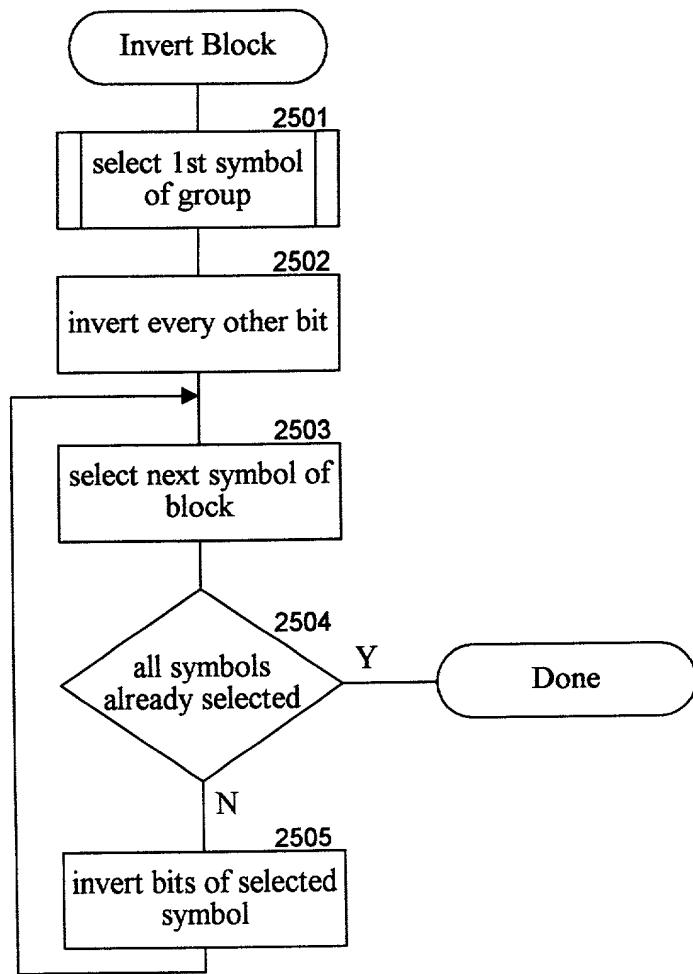


Fig. 25

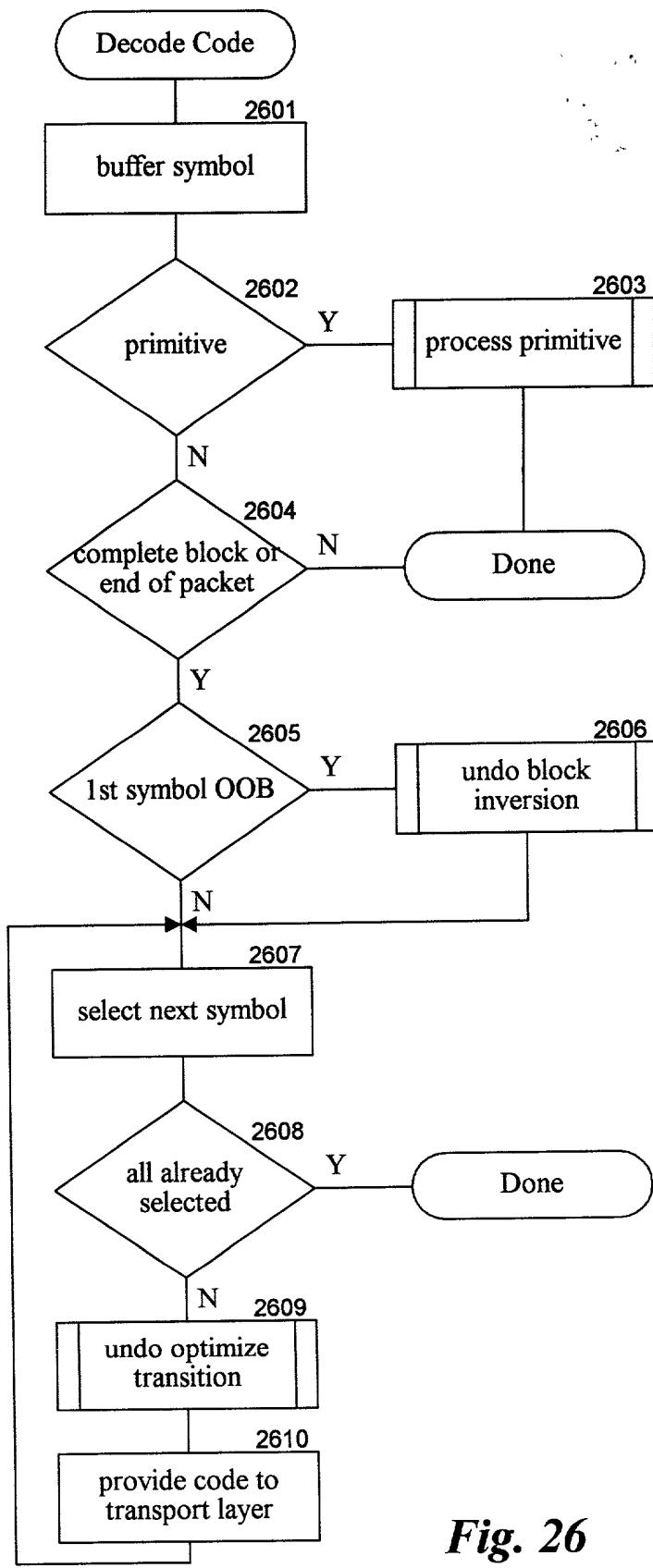


Fig. 26

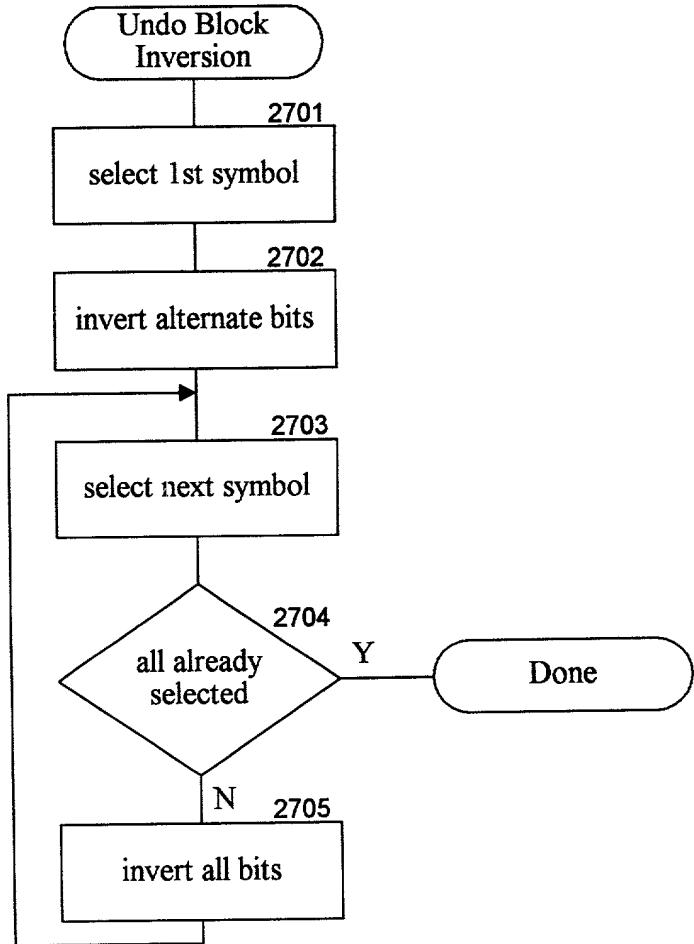


Fig. 27

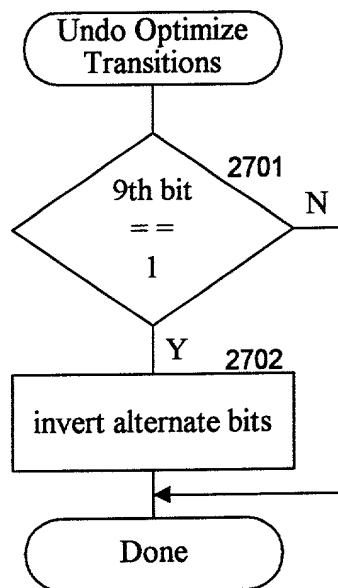


Fig. 28

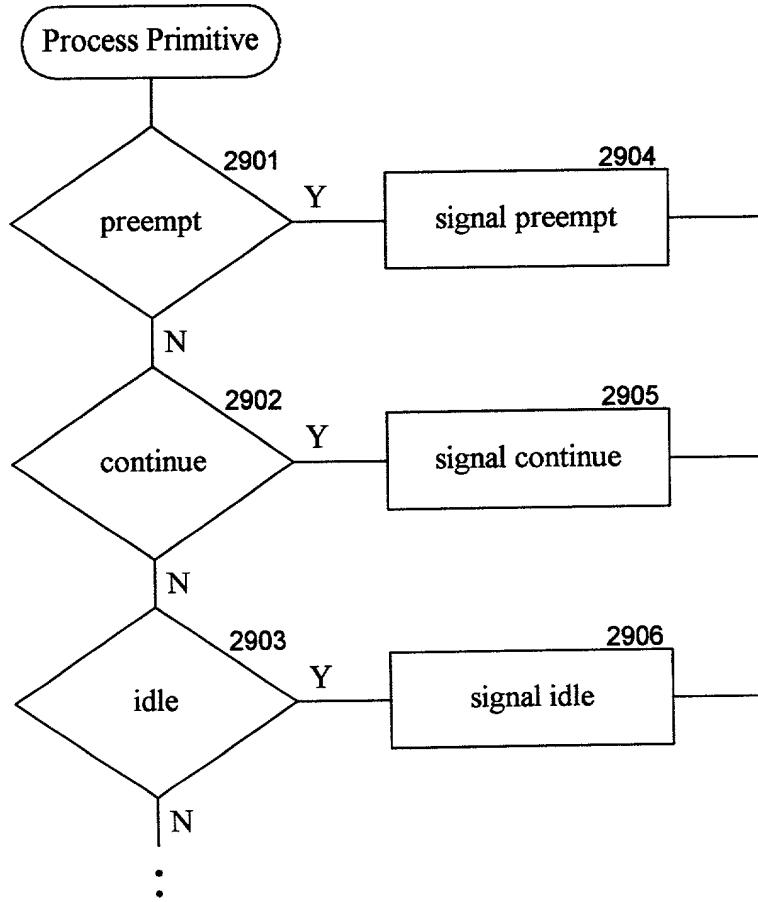


Fig. 29

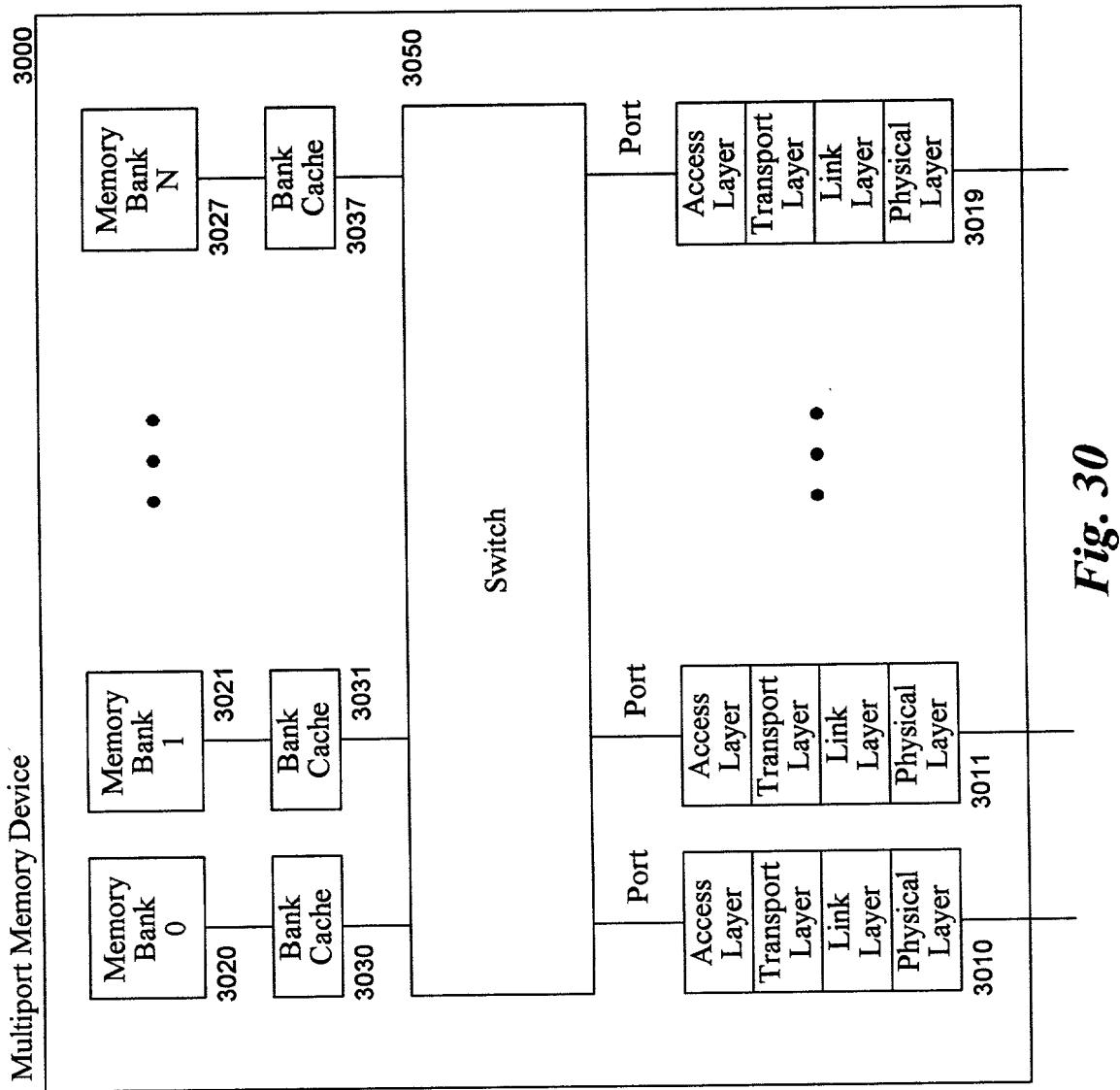


Fig. 30

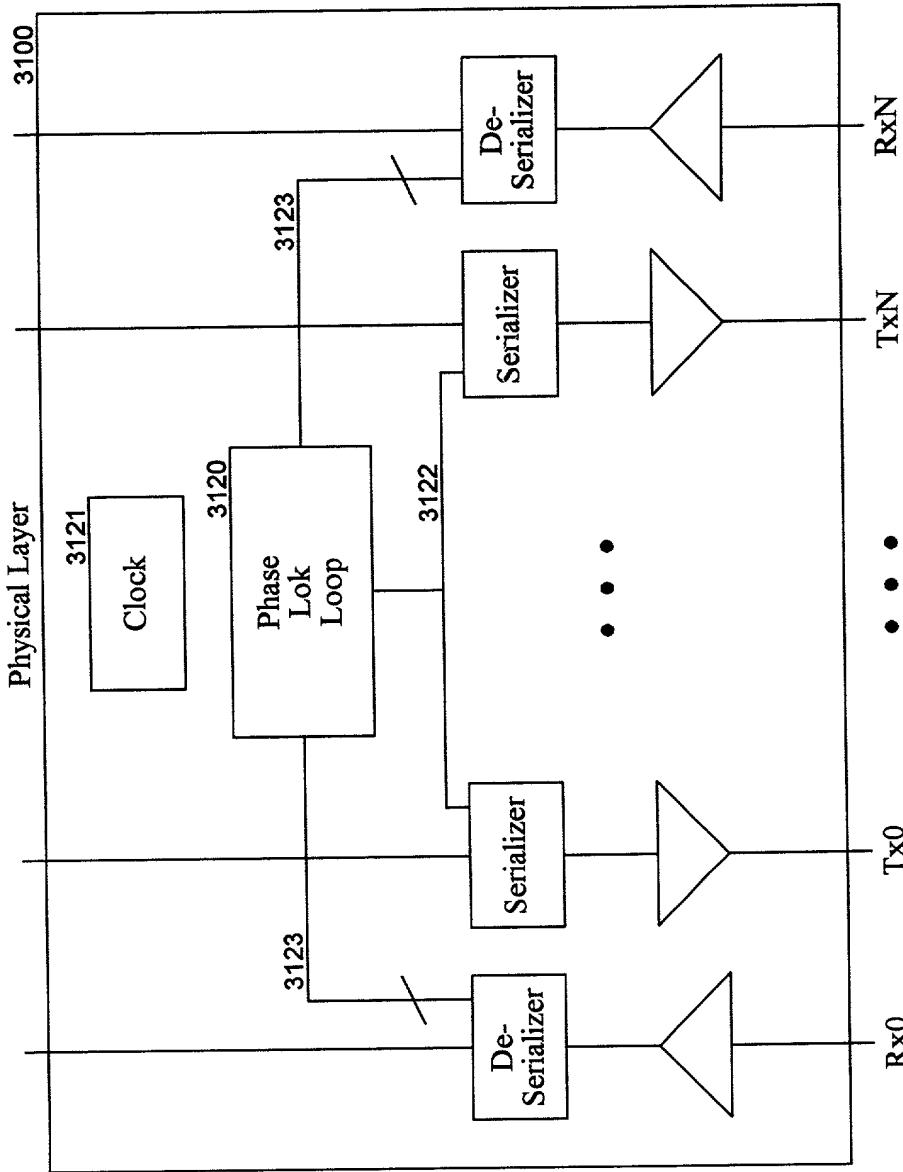


Fig. 31

Input Queue			3201		Output Queue		
Port	R/W	Address	Data		Valid	Port	Data
3	R	1000			1	3	11...0
4	W	4000	10....1		0		
3	W	1000	111...0		0		
3	R	2000			1	3	101...1
	:	:				⋮	⋮

Fig. 32

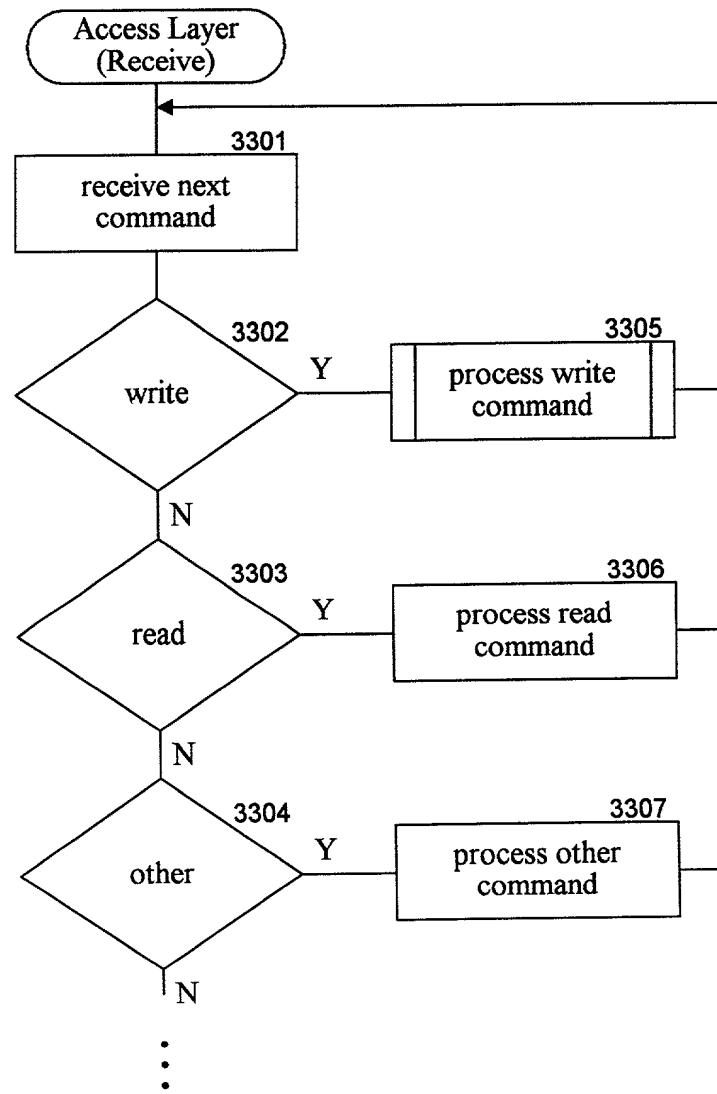


Fig. 33

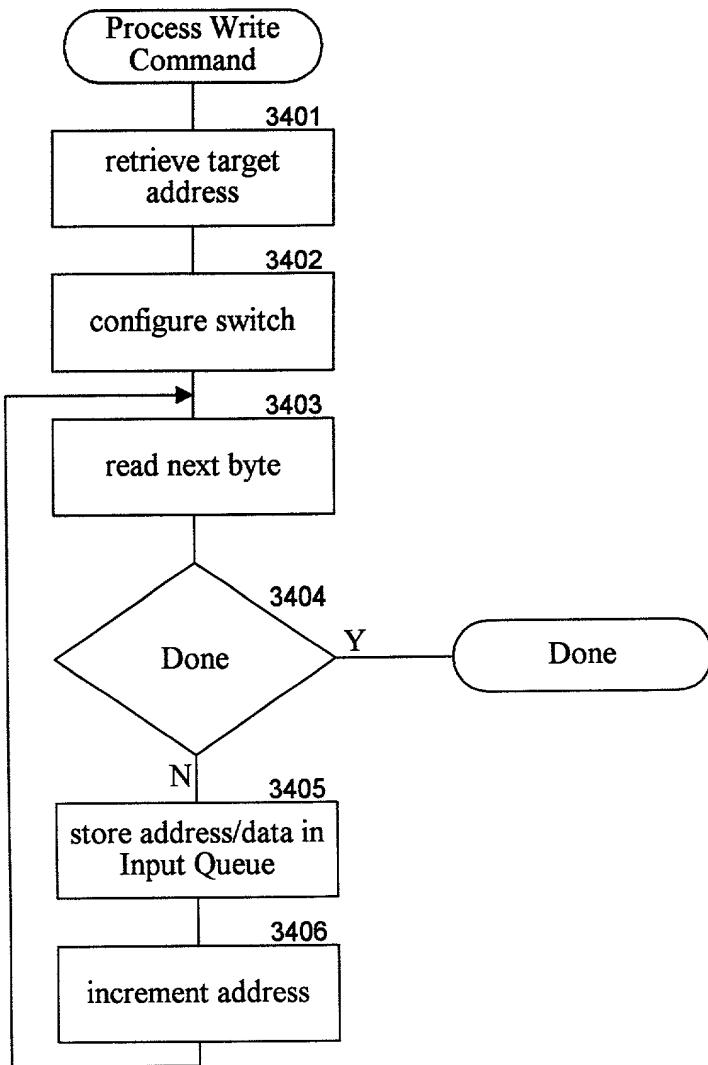


Fig. 34

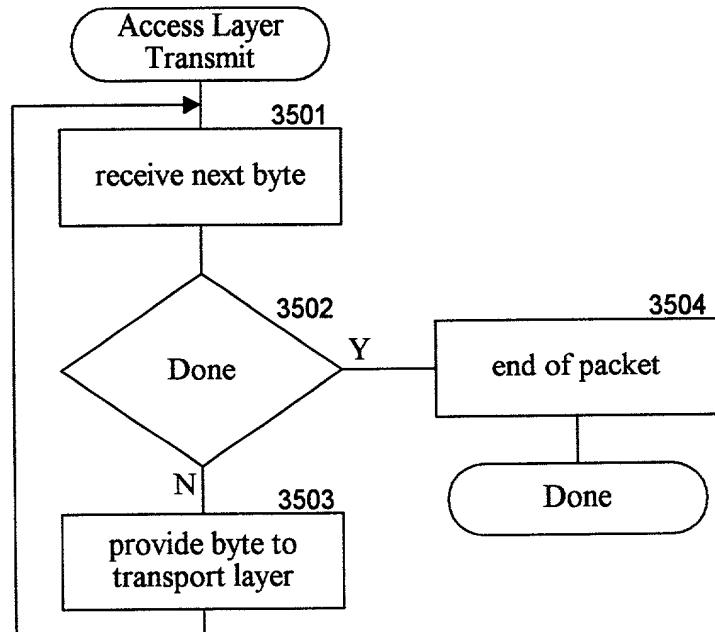


Fig. 35

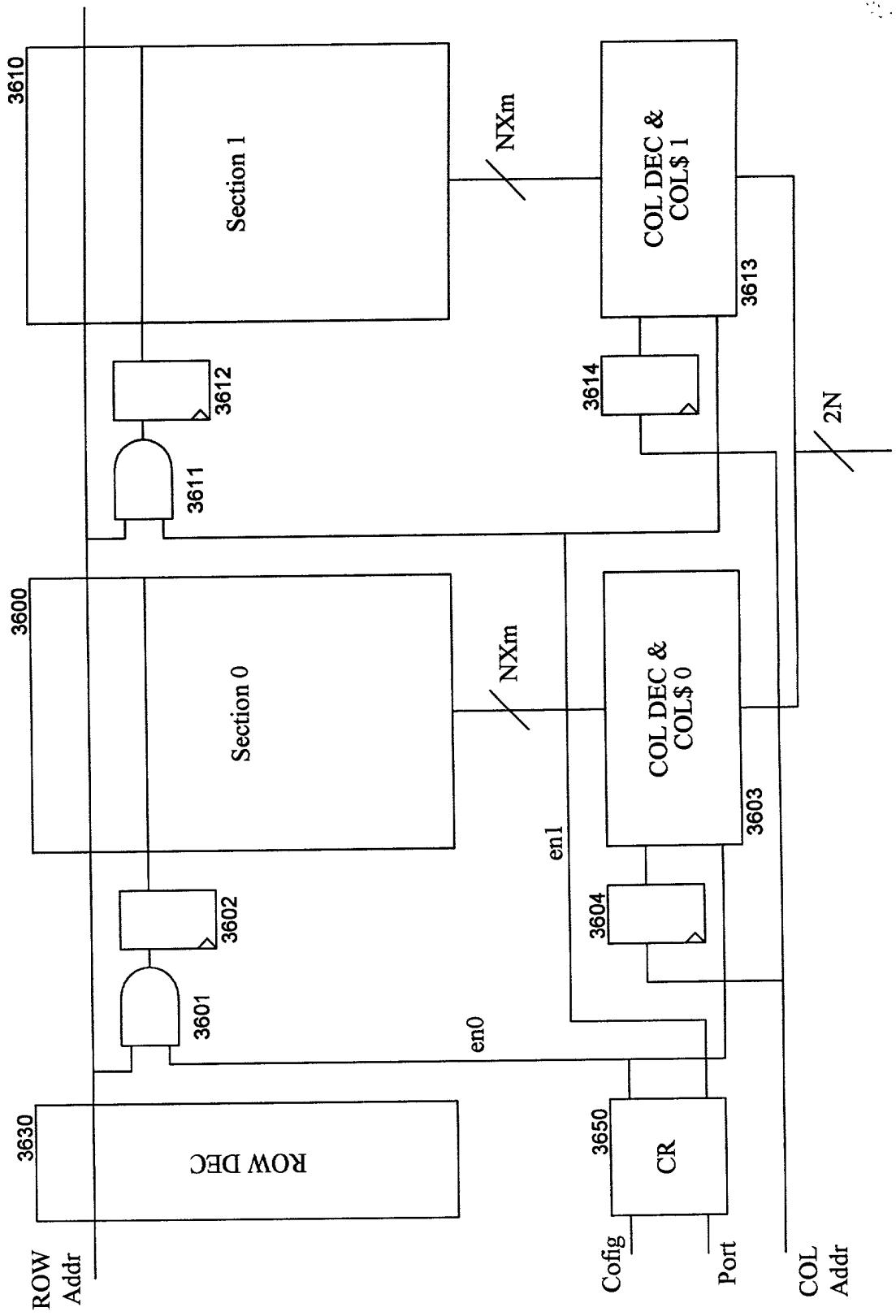


Fig. 36

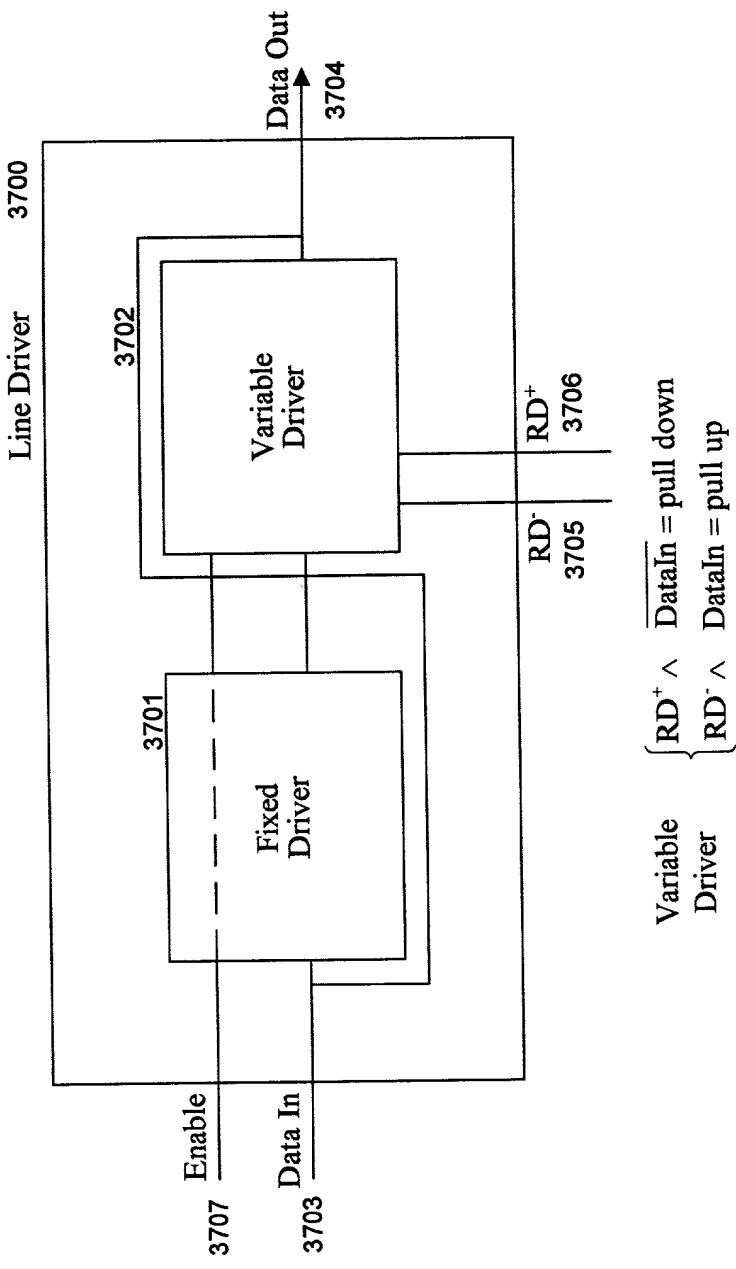


Fig. 37A

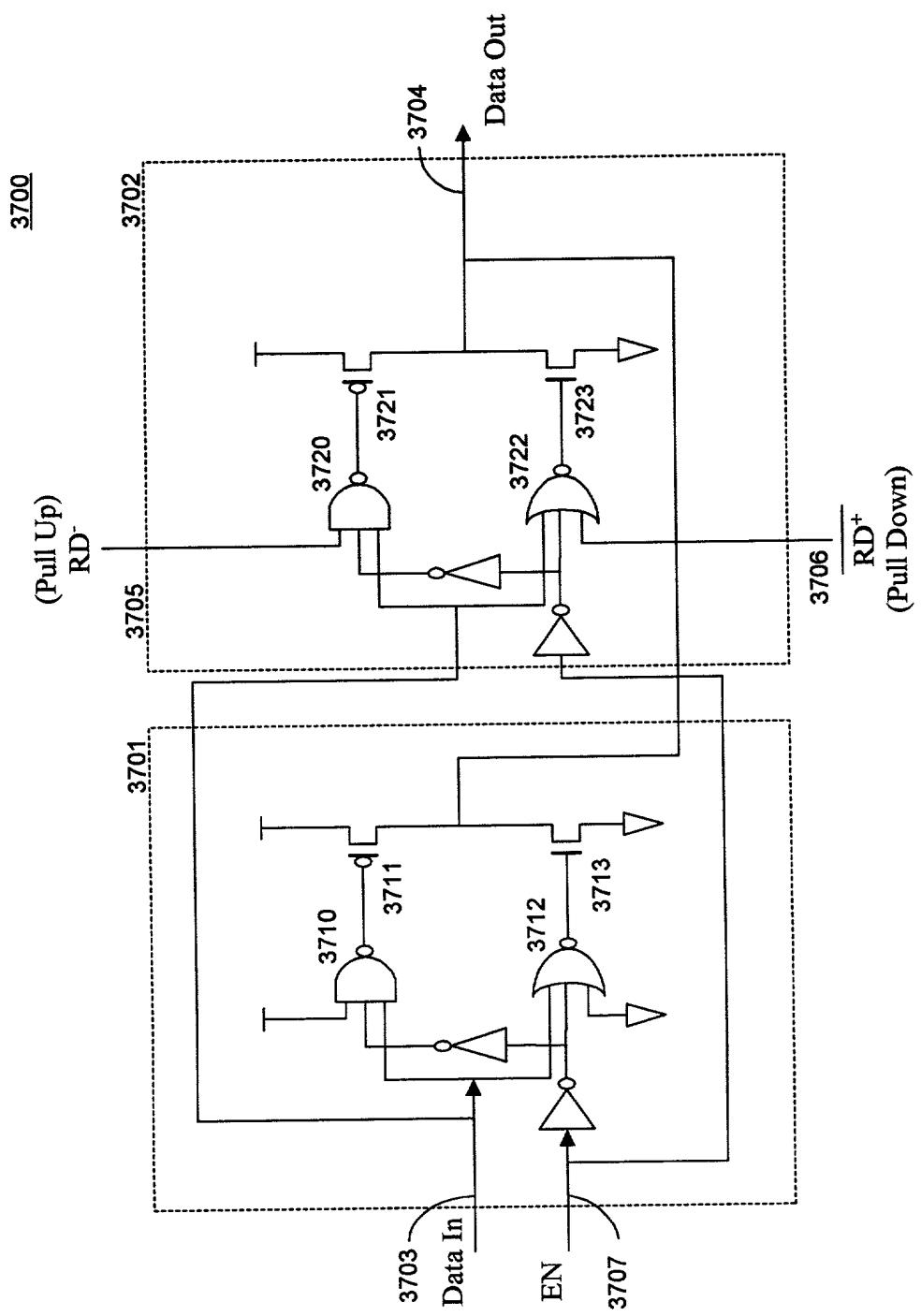


Fig. 37B

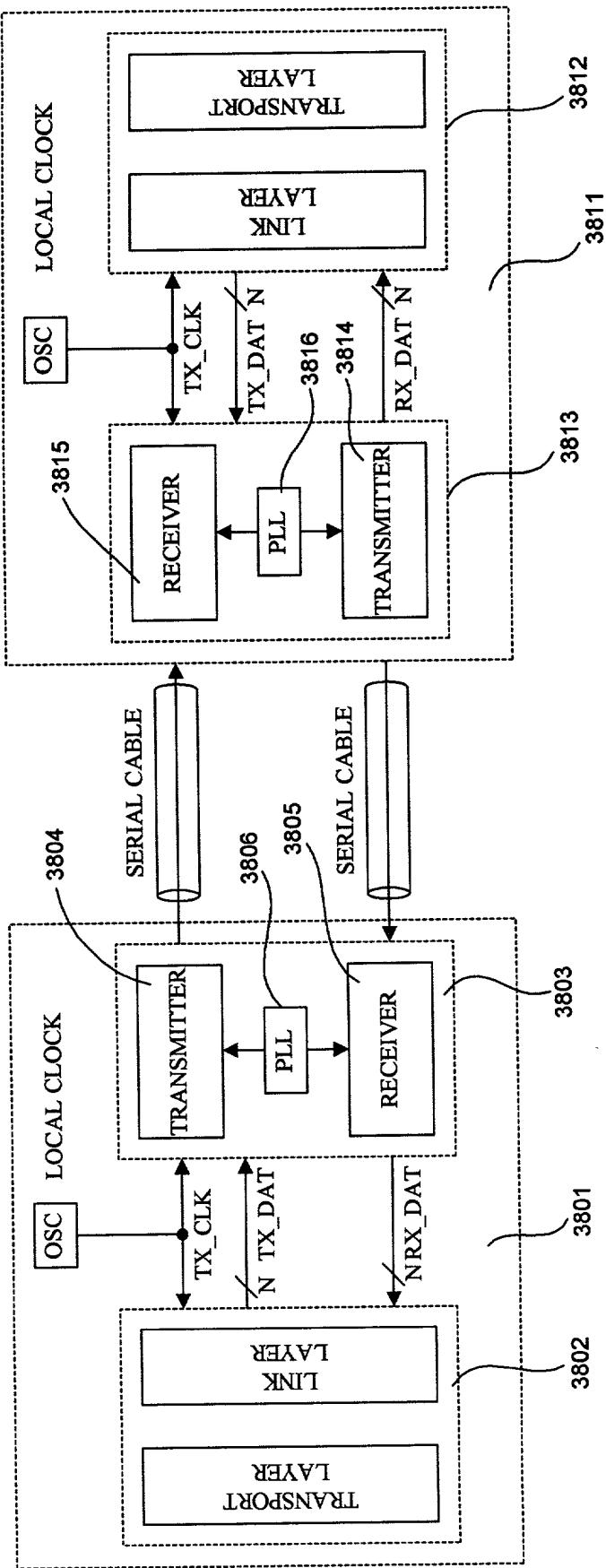


Fig. 38A

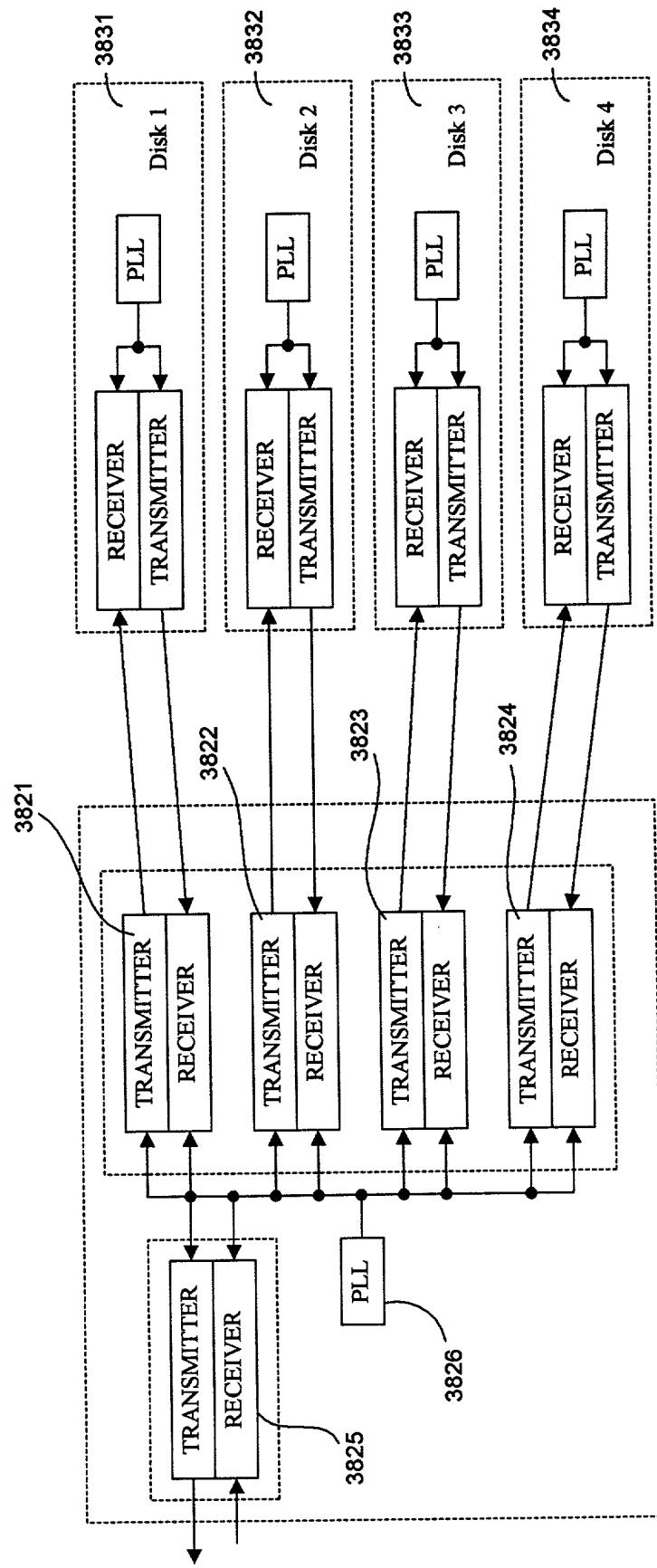
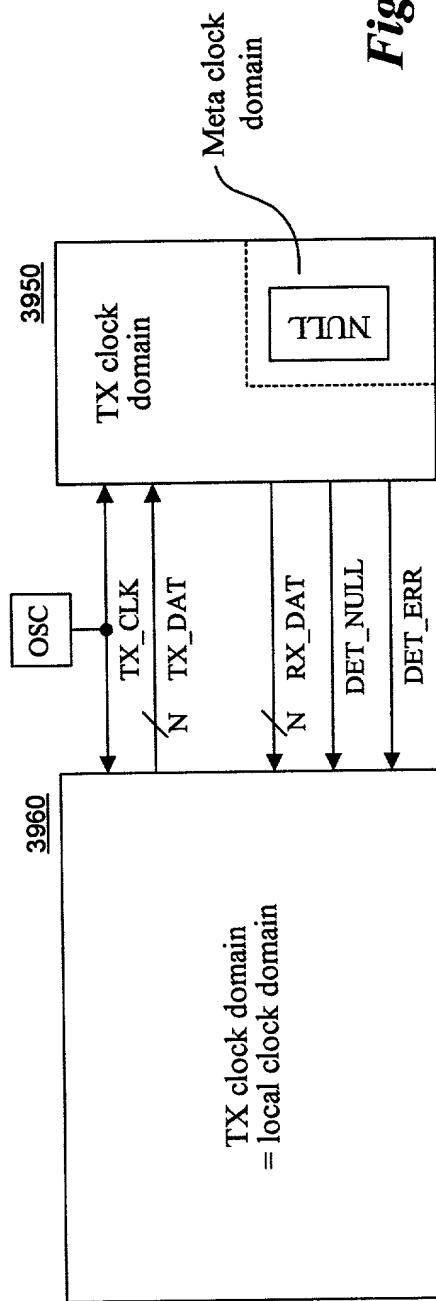
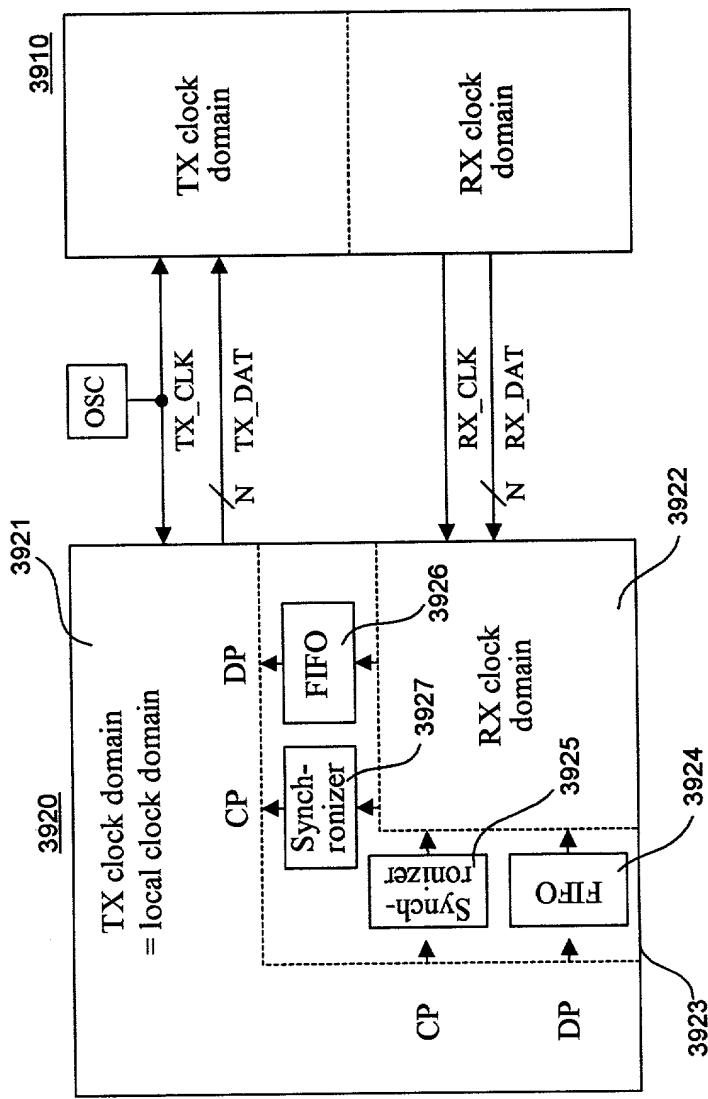


Fig. 38B



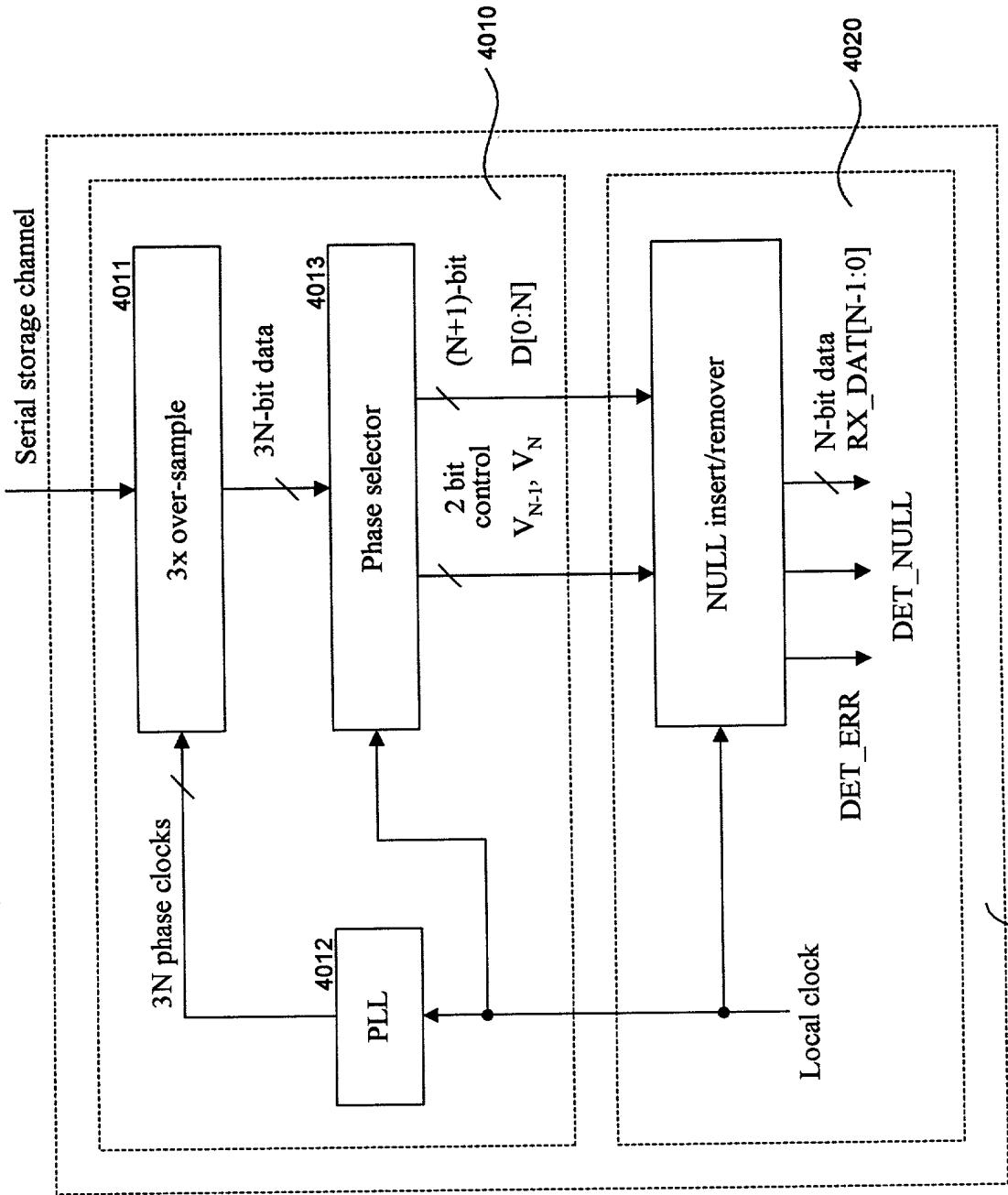


Fig. 40

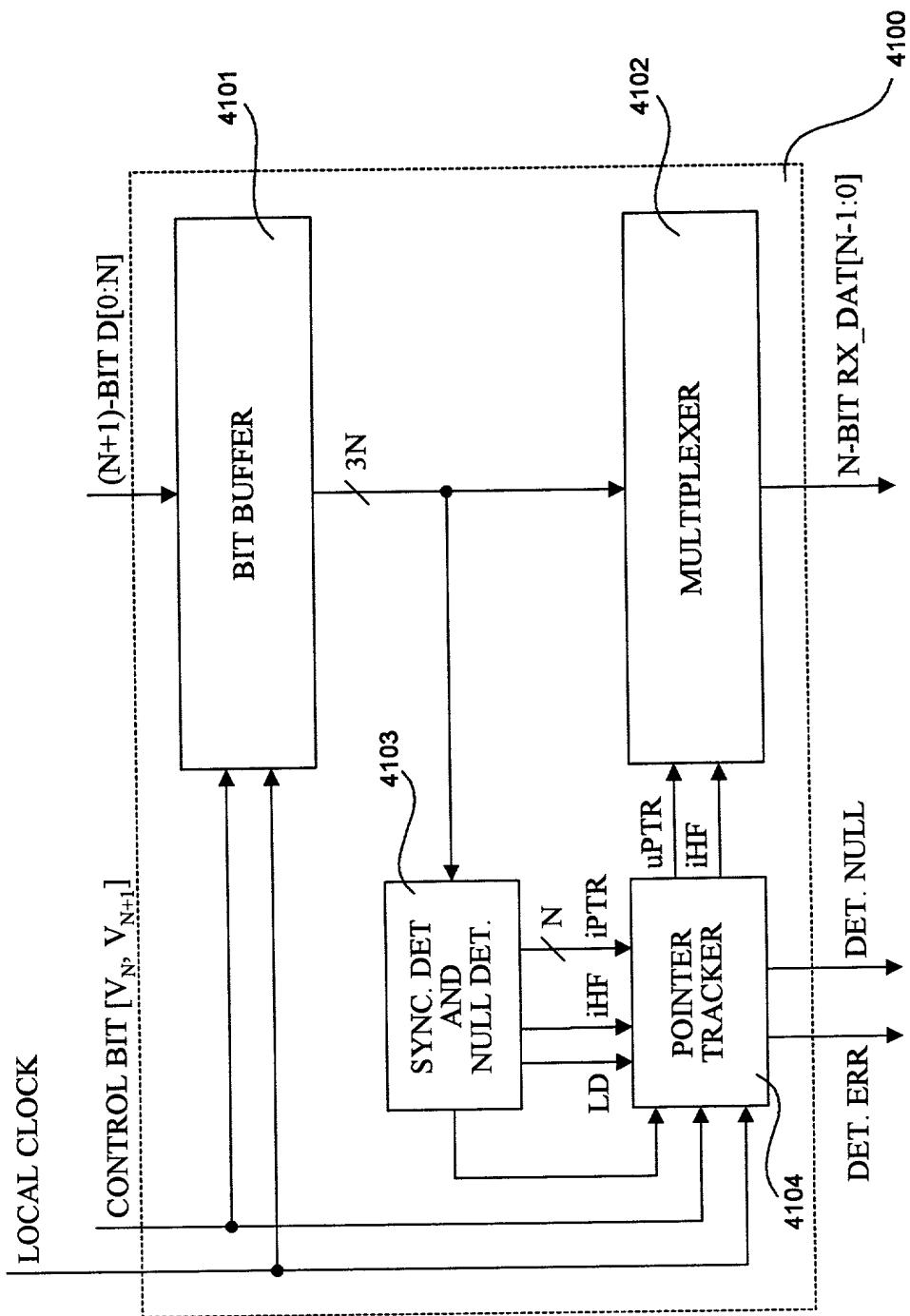
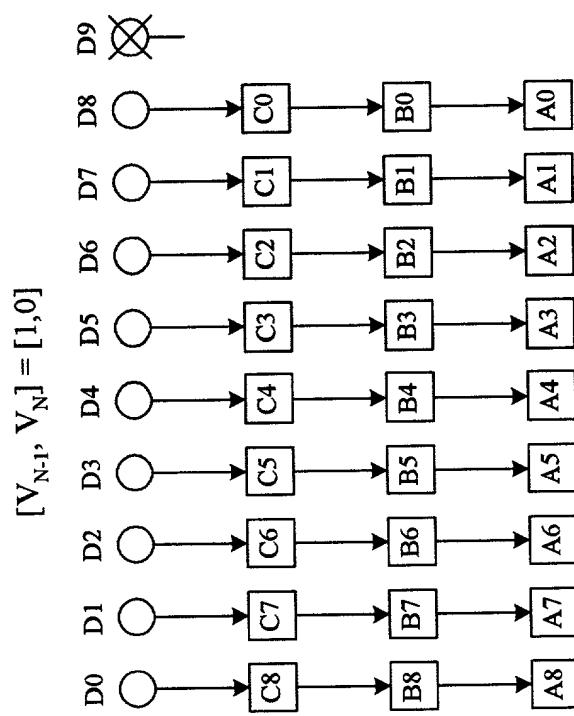


Fig. 41

Fig. 42A



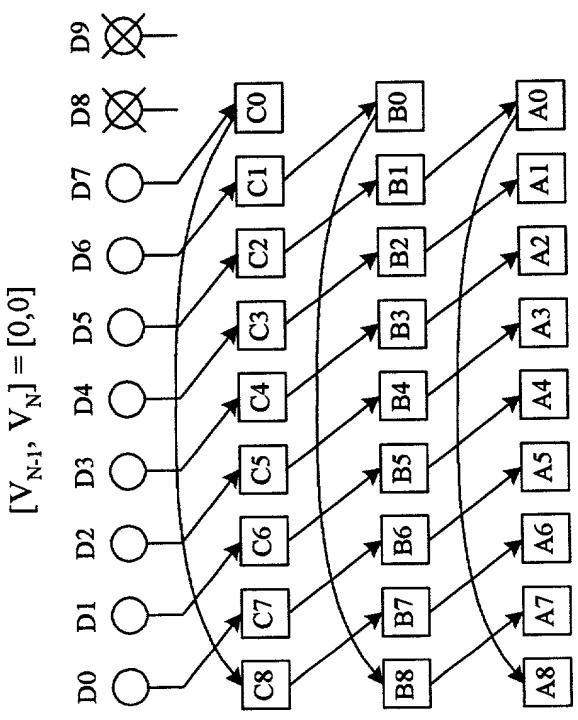


Fig. 42B

$$[V_{N-1}, V_N] = [I, I]$$

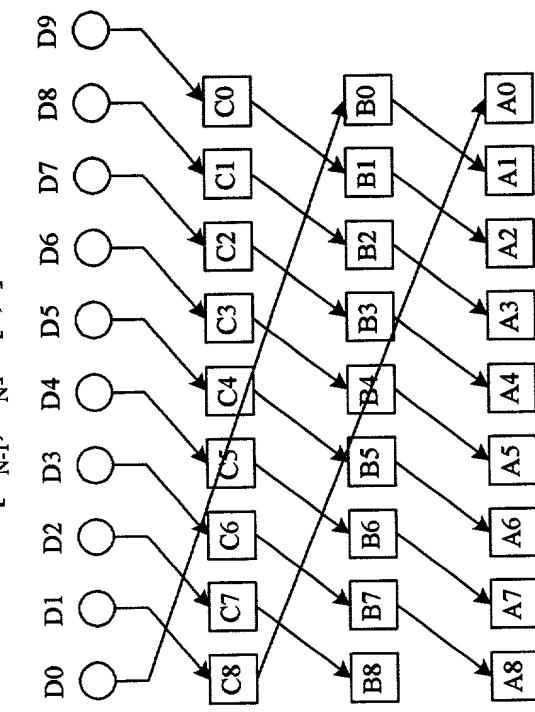


Fig. 42C

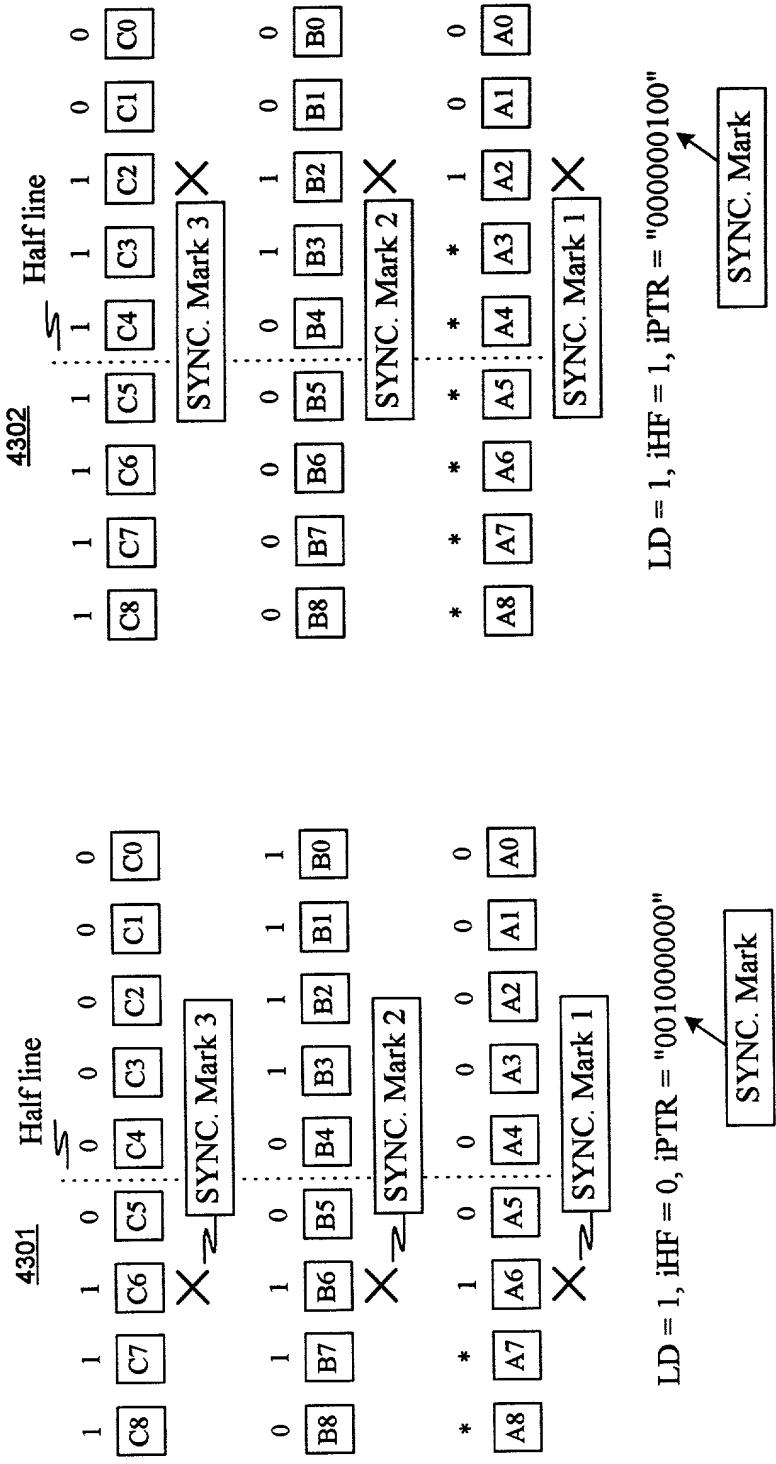
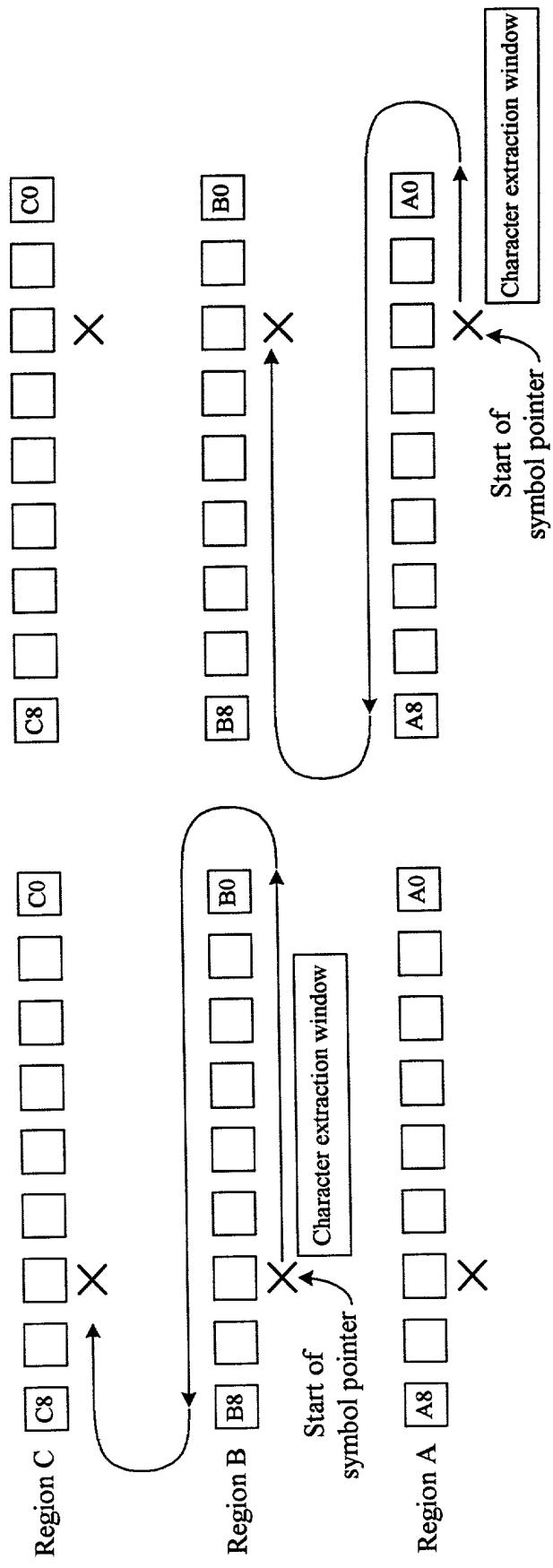


Fig. 43

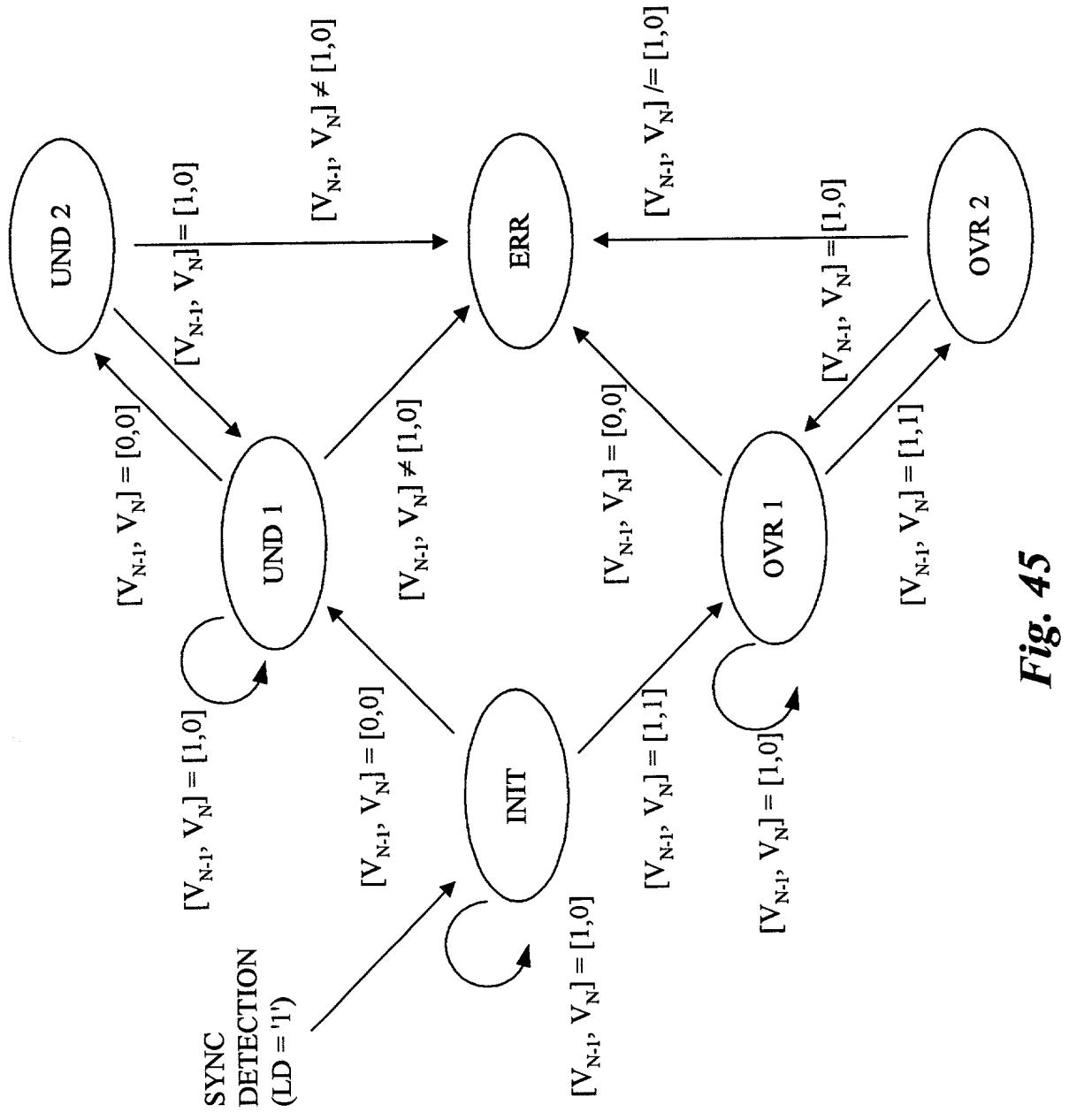
2 0 3 0 0 T 0 3 5 4 0 0 T



LD = 1, iHF = 0, iPTR = "001000000"

LD = 1, iHF = 1, iPTR = "0000000100"

Fig. 44

**Fig. 45**

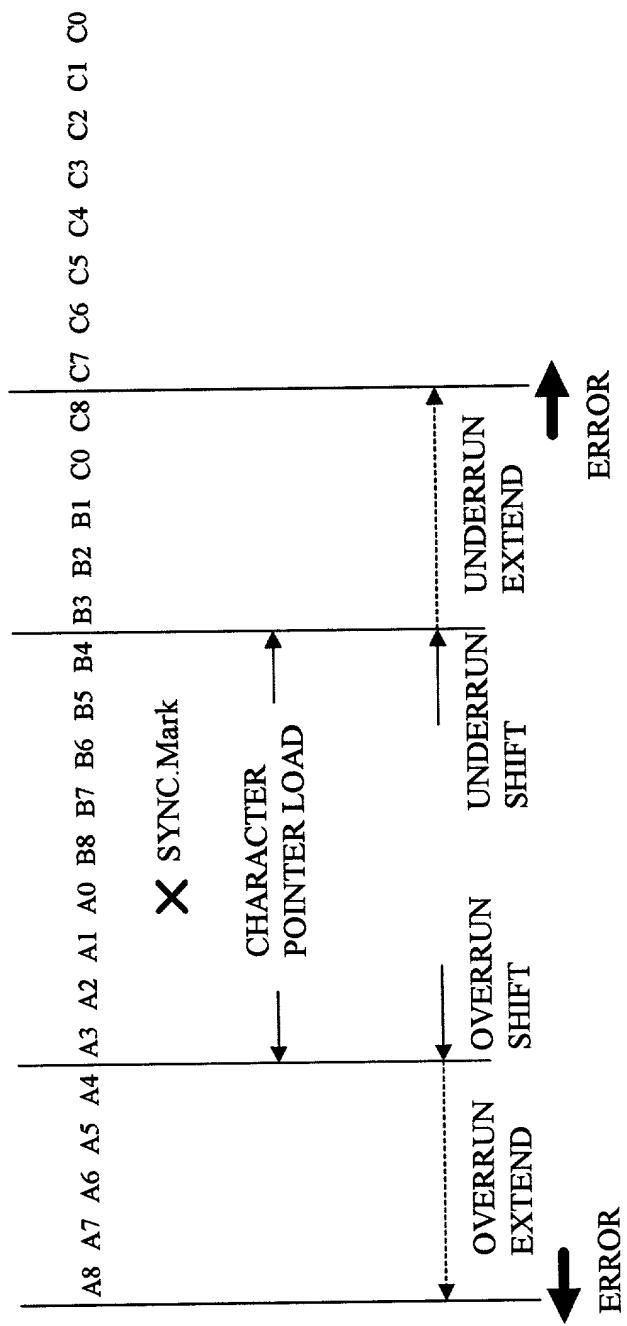


Fig. 46

Fig. 47A

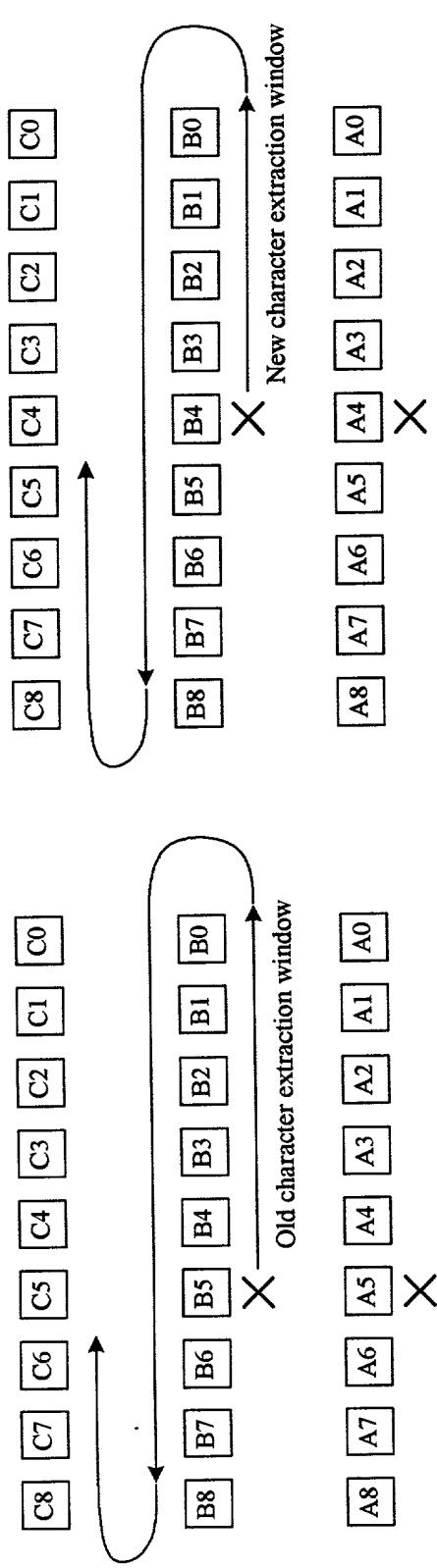


Fig. 47A

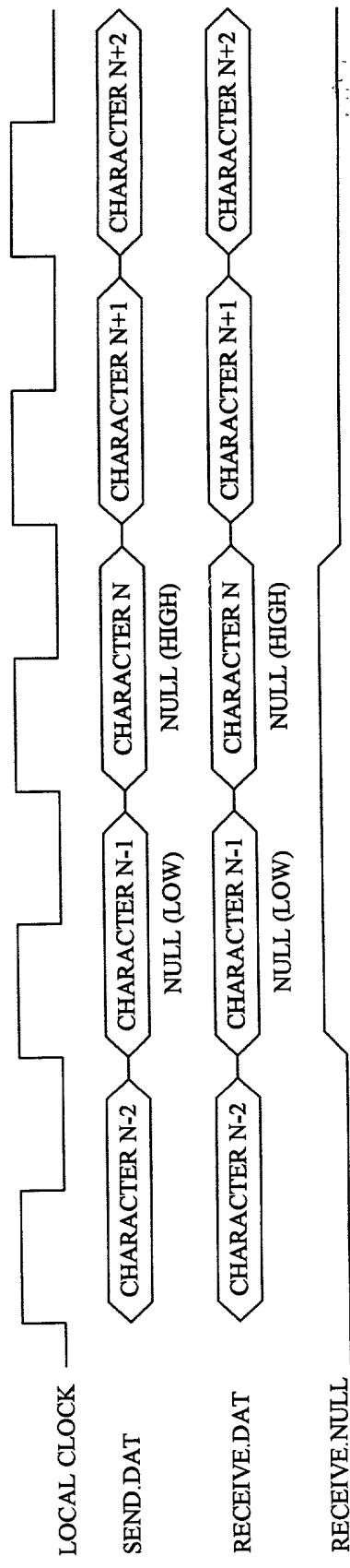


Fig. 47B

210 210 210 210 210 210 210 210 210

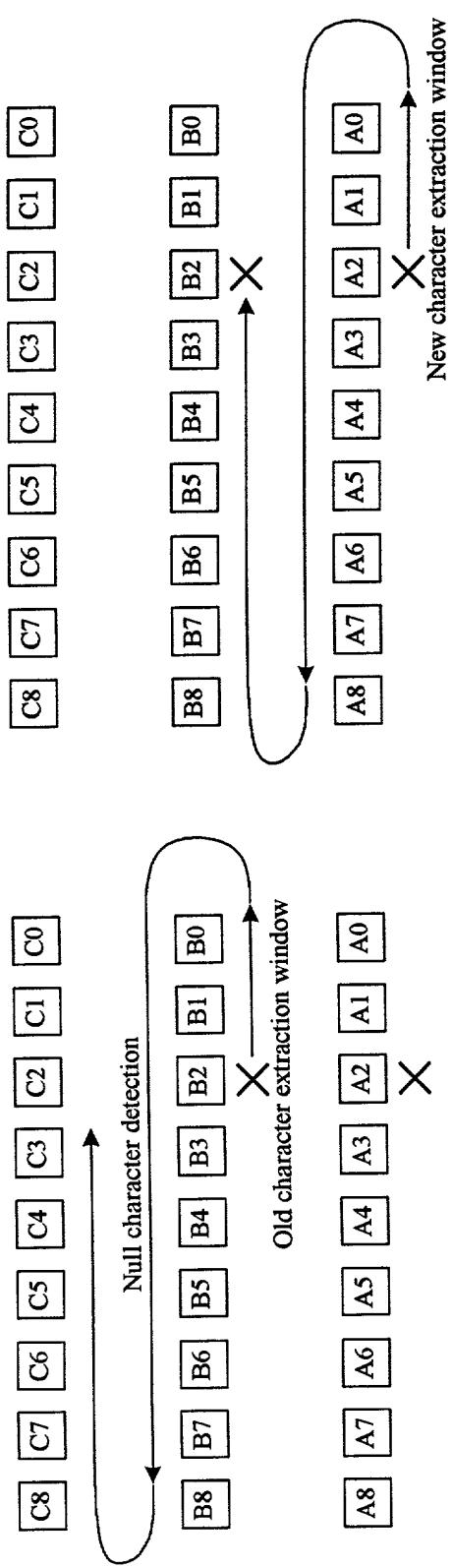


Fig. 48A

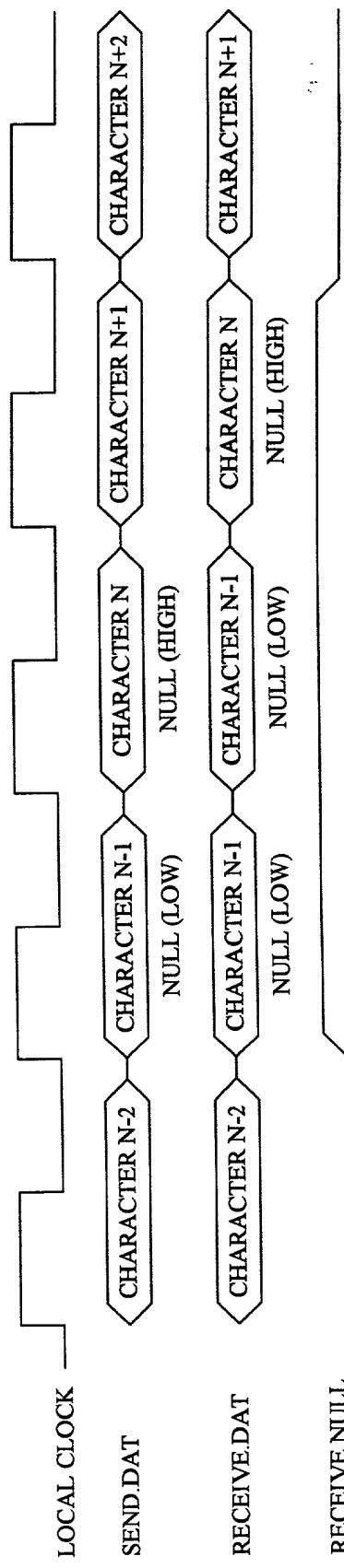


Fig. 48B

20 30 40 50 60 70 80 90 100

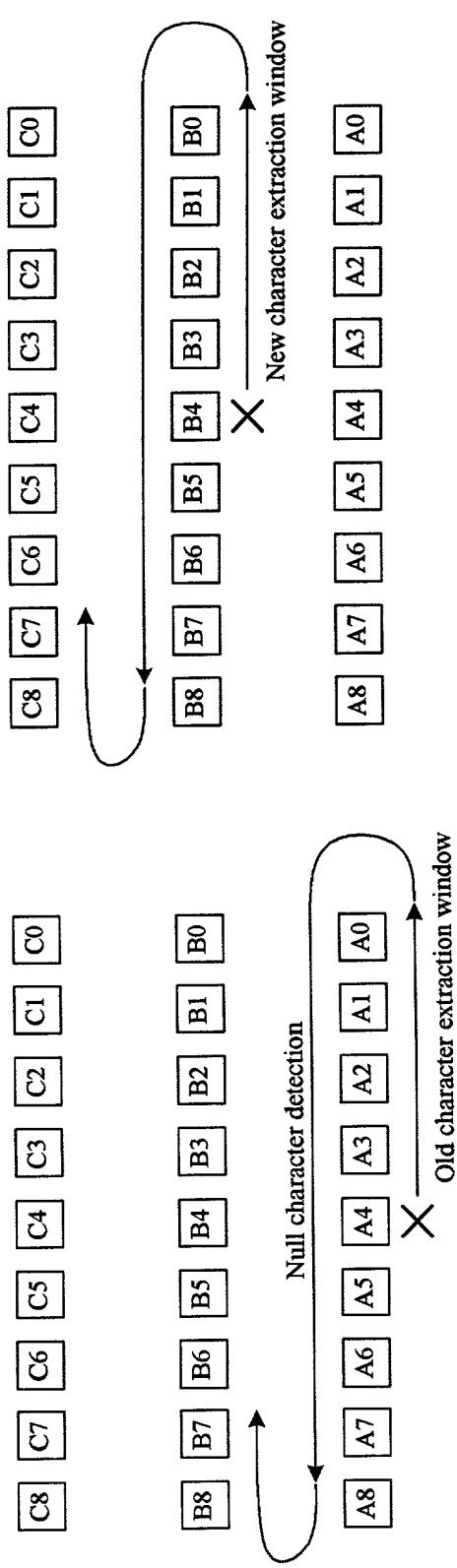


Fig. 49A

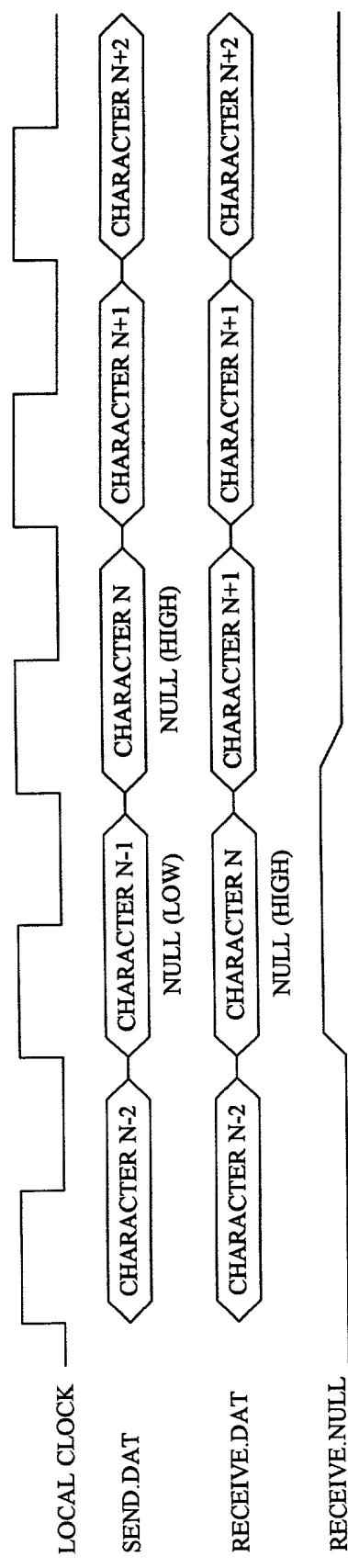


Fig. 49B